

24/ 541,809

=> d his

(FILE 'HOME' ENTERED AT 14:46:54 ON 07 SEP 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 14:47:22 ON 07 SEP 2004

L1 397929 S ARRAY?  
L2 974455 S ELECTRODE?  
L3 6363 S L1(A)L2  
L4 237512 S "TRANSITION METAL"  
L5 9 S L3 AND L4  
L6 8 DUP REM L5 (1 DUPLICATE REMOVED)  
L7 102140 S ANALYTE? OR "BINDING LIGAND?"  
L8 132 S L3 AND L7  
L9 150937 S COVALENT  
L10 255134 S COVALENT?  
L11 7 S L8 AND L10  
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)  
E MEADE T/AU  
L13 122 S E3  
L14 6363 S L2 AND L3  
L15 132 S L7 AND L14  
L16 0 S L15 AND L13  
L17 7892 S L2 AND L4  
L18 70 S L7 AND L17  
L19 0 S L13 AND L18  
L20 75 DUP REM L13 (47 DUPLICATES REMOVED)

=

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	May 12	EXTEND option available in structure searching
NEWS	4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS	5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in Caplus
NEWS	6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS	7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
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NEWS	10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS	11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
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NEWS	14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS	16	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS	17	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	18	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS	19	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	20	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS EXPRESS			JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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=> s array?

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FULL ESTIMATED COST	0.21	0.21

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FILE 'EMBASE' ENTERED AT 14:47:22 ON 07 SEP 2004

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FILE 'BIOSIS' ENTERED AT 14:47:22 ON 07 SEP 2004

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FILE 'BIOTECHDS' ENTERED AT 14:47:22 ON 07 SEP 2004

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FILE 'SCISEARCH' ENTERED AT 14:47:22 ON 07 SEP 2004

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FILE 'LIFESCI' ENTERED AT 14:47:22 ON 07 SEP 2004

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=> s array?

L1 397929 ARRAY?

=> s electrode?

L2 974455 ELECTRODE?

=> s l1(a)l2

L3 6363 L1(A) L2

=> s "transition metal"

L4 237512 "TRANSITION METAL"

=> s ;l3 and l4

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):end

SEARCH ENDED BY USER

L3 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s l3 and l4

L5                   9 L3 AND L4

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6                   8 DUP REM L5 (1 DUPLICATE REMOVED)

=> d 1-8 ibib ab

L6     ANSWER 1 OF 8   BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

ACCESSION NUMBER: 2004-11063   BIOTECHDS

TITLE:               Transfecting cells, useful for treating e.g. autoimmune disorders, blood disorders, or cardiovascular disorders, comprises administering a nucleic acid to salivary gland, and electroporating the salivary gland using electrodes; involving recombinant vector-mediated gene transfer and expression in host cell for use in gene therapy

AUTHOR:              TSENG H; BENNETT M J; ROTHMAN S S

PATENT ASSIGNEE:     GENTERIC INC

PATENT INFO:         US 2003198625 23 Oct 2003

APPLICATION INFO:    US 2002-126315 19 Apr 2002

PRIORITY INFO:       US 2002-126315 19 Apr 2002; US 2002-126315 19 Apr 2002

DOCUMENT TYPE:       Patent

LANGUAGE:            English

OTHER SOURCE:        WPI: 2004-141541 [14]

AB     DERWENT ABSTRACT:

NOVELTY - Transfecting cells comprising administering a nucleic acid to salivary gland, and electroporating the salivary gland by contacting the salivary gland with an electrode comprising 2 needles and pulsing the salivary gland.

BIOTECHNOLOGY - Preferred Method: The nucleic acid is administered by cannulation or by injection via a salivary gland duct, where the salivary gland is a submandibular salivary gland, a parotid salivary gland, or a sublingual salivary gland. The nucleic acid is operably linked to an expression control sequence, and encodes secreted alkaline phosphatase, luciferase, or a therapeutic protein selected from growth hormone, insulin, clotting factor VIII, clotting factor IX, erythropoietin, calcitonin, alpha-galactosidase, alpha-glucosidase, glucocerebrosidase, or immunoglobulin. The needles are about 1 or 0.5 cm apart. The electrode emits an electric field strength of about 1-1000 V/cm, and a pulse length of about 1-60 ms. Pulsing comprises about 1-30 pulses, or 5-6 pulses. Alternatively, the electrode emits an electric field strength of about 100-200 V/cm, and an electrical pulse length of about 10-20 ms. The electroporating step further comprises repositioning the electrode in a second position, and pulsing the salivary gland. The method may further comprise contacting the salivary gland with a second electrode, and pulsing the salivary gland, where the first electrode is in a first position and the second electrode is in a second position. The contacting steps are sequential or simultaneous. A formulant is administered with the nucleic acid, where the formulant is a divalent **transition metal** compound, a polyanionic compound, or a peptide, preferably a divalent **transition metal** compound selected from zinc halide, zinc oxide, zinc selenide, zinc telluride, zinc sulfate, zinc acetate, and zinc chloride. The polyanionic compound is poly-L-glutamate. The formulant is preferably polyvinyl alcohol.

ACTIVITY - Immunosuppressive; Antiarthritic; Antidiabetic; Antiinflammatory; Dermatological; Antianemic; Hemostatic; Antithyroid; Antilipemic; Antianginal; Antiparkinsonian; Nootropic; Neuroprotective; Anorectic; Endocrine-Gen.; Cytostatic; CNS-Gen.; Respiratory-Gen.;

Antiasthmatic; Antibacterial; Virucide. No clinical details given.

MECHANISM OF ACTION - Gene therapy.

USE - The method is useful for treating or preventing autoimmune disorders (e.g. arthritis, diabetes, systemic lupus erythematosus, or Grave's disease), blood disorders (e.g. anemia, or hemophilia), cardiovascular disorders (e.g. high blood pressure, high cholesterol or angina), central nervous disorders (Parkinson's disease, Alzheimer's disease or multiple sclerosis), gastrointestinal disorders (e.g. esophageal reflux, lactose deficiency or defective vitamin B12 absorption), metabolic disorders (e.g. obesity, Hurler's disease, or dwarfism), neoplastic diseases (e.g. cancers or myeloma), pulmonary disorders (e.g. cystic fibrosis, emphysema or asthma), and bacterial (e.g. diphtheria, meningitis or Lyme disease) and viral diseases (e.g. HIV, hepatitis, or chicken pox).

ADMINISTRATION - Administration can be via gravity or an assisted delivery system, or to a salivary gland through a salivary gland duct for retroductal delivery.

ADVANTAGE - Electroporation enhances DNA uptake into salivary gland cells thus increasing the efficiency of gene transfer. Electroporation-mediated in vivo gene transfer systems have provided a new non-viral tool for gene transfer.

EXAMPLE - Male Sprague-Dawley rats were fasted overnight prior to experiment. After anesthesia, both right and left salivary gland ducts were cannulated with fine polyurethane tubing and cemented in place with small drop of Krazyglue. Atropine was administered subcutaneously, and after 10 minutes, NaCl containing 175 microg of luciferase or secreted alkaline phosphatase (SEAP) encoding plasmid DNA with or without formulants was injected retrogradely into each gland through a syringe pump. After DNA delivery into salivary glands, animals to be treated with electroporation were placed in supine position, and a sterile BTX 2-needle **array electrode** was inserted transcutaneously into the center of each gland to a depth of 2-4 mm. Electric pulses generated by an ECM 830 electroporator were applied to glands through this electrode. After electroporation, animals were monitored under a heat lamp until awakening. Salivary gland tissue and blood samples were collected for assay for transgene expression. Luciferase activity in homogenized salivary gland was determined using the Enhanced Luciferase Assay kit. SEAP activity in homogenized salivary gland tissue or plasma was measured using the SEAP Reporter Gene Assay. Expression of luciferase in the rat submandibular gland was enhanced by electroporation as compared to control. Values obtained were approximately 5-6 times greater than the levels of expression in the control group. Additionally, data demonstrates that electroporation enhances SEAP expression by 50-fold. (16 pages)

L6 ANSWER 2 OF 8 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

ACCESSION NUMBER: 2004-11258 BIOTECHDS

TITLE: Device and method for detecting nucleic acid hybridization;  
DNA probe immobilization on support for DNA chip  
construction

AUTHOR: LEE J G; LEE S E; PARK J G; YOON G S

PATENT ASSIGNEE: LG ELECTRONICS INC

PATENT INFO: KR 2003074895 22 Sep 2003

APPLICATION INFO: KR 2002-13891 14 Mar 2002

PRIORITY INFO: KR 2002-13891 14 Mar 2002; KR 2002-13891 14 Mar 2002

DOCUMENT TYPE: Patent

LANGUAGE: Korean

OTHER SOURCE: WPI: 2004-164241 [16]

AB DERWENT ABSTRACT:

NOVELTY - A device and method for detecting nucleic acid hybridization are provided, thereby cheaply and accurately detecting the nucleic acid hybridization without producing noise and scattering.

DETAILED DESCRIPTION - A device for detecting a nucleic acid hybridization comprises a nucleic acid chip containing a probe fixed

multi-array electrode, an electrode board with an electrode-connecting portion(5), multiple convex lens(8), and a cover containing a solution inlet end and a solution outlet end; an electricity supplying device connected to the electrode-connecting portion of the nucleic acid chip; a storage vessel containing a fine pump(22) connected to the solution inlet end of the cover, a buffer solution-storing vessel(18) connected to the pump, a **transition metal** chelate-storing vessel(19), a target nucleic acid-storing vessel(20) and an intercalate-storing vessel(21); and optical fibers(25) effectively transferring light from the multiple convex lens and a light detecting device(24). (1 pages)

L6 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:713849 HCAPLUS  
 DOCUMENT NUMBER: 140:7048  
 TITLE: Optical measurements of platinum based electrocatalysts for the electrooxidation of methanol  
 AUTHOR(S): Gruber, K.; Kronberger, H.; Fafilek, G.; Nauer, G.; Besenhard, J.-O.  
 CORPORATE SOURCE: ECHEM Centre of Competence in Applied Electrochemistry, Wiener Neustadt, Austria  
 SOURCE: Fuel Cells (Weinheim, Germany) (2003), 3(1-2), 3-7  
 CODEN: FUCEFK; ISSN: 1615-6846  
 PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB In a combinatorial electrochem. experiment quinine sulfate was used as a pH sensitive fluorescing indicator to detect the catalytic activity of methanol oxidation catalysts. During electrochem. expts. the surface of the **electrode array** was monitored with a CCD camera. The dependence of the intensity of the fluorescence on the applied potential was used as an anal. tool; to study the electrochem. performance of Pt based electrocatalysts, for the electrooxidn. of methanol, in both short and long term tests.

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 8 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 1

ACCESSION NUMBER: 2002:768307 SCISEARCH  
 THE GENUINE ARTICLE: 590QA  
 TITLE: Surface enhanced Raman scattering from **transition metal** nano-wire array and the theoretical consideration  
 AUTHOR: Yao J L; Tang J; Wu D Y; Sun D M; Xue K H; Ren B; Mao B W; Tian Z Q (Reprint)  
 CORPORATE SOURCE: Xiamen Univ, Dept Chem, Inst Phys Chem, State Key Lab Phys Chem Solid Surfaces, Xiamen 361005, Peoples R China (Reprint); Nanjing Normal Univ, Dept Chem, Nanjing 210097, Peoples R China  
 COUNTRY OF AUTHOR: Peoples R China  
 SOURCE: SURFACE SCIENCE, (10 AUG 2002) Vol. 514, No. 1-3, Sp. iss. SI, pp. 108-116.  
 Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS.  
 ISSN: 0039-6028.  
 DOCUMENT TYPE: Article; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 45

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB Co, Ni, Pt and Pd nano-wire arrays with diameter of about 50 nm were fabricated by means of template synthesis. By alternating current (AC) elect rodeposition these metals were filled into channels of anodic aluminum oxide (AAO) film respectively. Nano-**electrode**

**arrays** having good electric contact with the substrate was also fabricated by employing combined electroless deposition and the AC electrodeposition. Strong surface enhanced Raman scattering (SERS) was observed from both metal nano-wire arrays and nano-**electrode arrays** after partial removal of the AAO film. The SERS intensity of probe molecules adsorbed at the arrays depends critically on the length of the nano-wire explored at the surface. The experimental results agree well with the corresponding theoretic calculations based on electromagnetic enhancement. The lightning rod effect may play an important role for the enhancement of the Ni nanorod under the favorable length. It has been shown that metal nano-wire arrays can be developed to a new generation of substrate exhibiting very high SERS activity, especially for **transition metals**. These well-ordered surface nano-structures can also be served as a proper model for the SERS mechanism study. (C) 2002 Elsevier Science B.V. All rights reserved.

L6 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1994:101273 HCAPLUS  
DOCUMENT NUMBER: 120:101273  
TITLE: Electrochemical treatment of surfaces for stepwise synthesis of oligonucleotides or other oligomers  
INVENTOR(S): Southern, Edwin  
PATENT ASSIGNEE(S): ISIS Innovation Ltd., UK  
SOURCE: PCT Int. Appl., 27 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9322480	A1	19931111	WO 1993-GB857	19930423
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 637344	A1	19950208	EP 1993-911864	19930423
EP 637344	B1	19980107		
R: CH, DE, FR, GB, LI				
JP 07508071	T2	19950907	JP 1993-519050	19930423
US 5667667	A	19970916	US 1996-660946	19960718
PRIORITY APPLN. INFO.:			GB 1992-8921	19920424
			WO 1993-GB857	19930423
			US 1994-325337	19941209

AB A method of electrochem. patterning a surface comprises providing an electrolyte overlying the surface and an array of electrodes adjacent the surface and in contact with the electrolyte, and altering the potential of one or more electrodes of the array so as to deposit or remove or chemical modify a substance on the surface adjacent the electrode. Several such treatments can be performed in sequence, using different electrodes of the array. The method is particularly suitable for stepwise chemical synthesis e.g. of oligonucleotides or other oligomers tethered to the surface. **Electrode arrays** for use in the method are also claimed.

L6 ANSWER 6 OF 8 NTIS COPYRIGHT 2004 NTIS on STN

ACCESSION NUMBER: 1992(17):07823  
NTIS ORDER NUMBER: AD-A248 073/9/XAB  
TITLE: Development of N2 Sensor for In vivo Measurement of PN2 in Biological Tissues. Final rept. 1 Aug 88-31 Oct 91.  
AUTHOR: Robblee, L. S.; Brunelle, M. M.; Jones, R. B.  
CORPORATE SOURCE: EIC Labs., Inc., Norwood, MA. (080940000 412102)  
NUMBER OF REPORT: AD-A248 073/9/XAB  
34p; 18 Mar 1992  
NUMBER OF CONTRACT: N00014-88-C-0403  
CONTROLLED TERM: Report

COUNTRY: United States  
LANGUAGE: English  
AVAILABILITY: Order this product from NTIS by: phone at  
1-800-553-NTIS (U.S. customers); (703)605-6000 (other  
countries); fax at (703)605-6900; and email at  
orders@ntis.gov. NTIS is located at 5285 Port Royal  
Road, Springfield, VA, 22161, USA.  
NTIS Prices: PC A03/MF A01  
OTHER SOURCE: GRA&I9214  
AB An electrochemical sensor for nitrogen was developed based on the  
kinetics of the reaction of a **transition metal**  
cation, ruthenium (II) aquopentaammine, with molecular dinitrogen.  
Prototype PN2 sensors were fabricated which incorporate an array of  
carbon microdisks as the active electrode surface with the smallest  
probe diameter equivalent to a 23 gauge hypodermic needle. Sensors were  
characterized on the basis of their electrochemical responses for a  
diffusion controlled process, the kinetics of the Ru II-N2 complexation  
reaction, and their operating performance in measuring PN2. In vitro  
performance tests under equilibrium conditions demonstrated a linear  
response over a PN2 range of 1 to 10 atmospheric Iterative PN2 measurements

had

a +/-5% reproducibility with equilibrium PN2 of 0.77 or 1 atmospheric Under  
dynamic conditions of changing PN2, the sensor response indicated that  
the' actual concentration of dissolved N2 equilibrates slowly with  
changes in N2 pressure in the gas phase above the solution, with washout  
occurring more slowly than washing. Electroanalytical protocols which  
were satisfactory for early prototypes based on large glassy carbon  
electrodes must be modified for use with the microdisk array sensors due  
to the different mass transport properties of microelectrode arrays.  
Development of standard protocols and a user interface would enhance the  
utility of the sensor technology to the hyperbaric medical research  
community.

L6 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1988:84087 HCAPLUS  
DOCUMENT NUMBER: 108:84087  
TITLE: Electrochemical pretreatment of thin film platinum  
electrodes  
AUTHOR(S): Josowicz, Mira; Janata, Jiri; Levy, Max  
CORPORATE SOURCE: Inst. Phys., Univ. Bundeswehr Muenchen, Neubiberg,  
D-8014, Fed. Rep. Ger.  
SOURCE: Journal of the Electrochemical Society (1988), 135(1),  
112-15  
CODEN: JESQAN; ISSN: 0013-4651  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Thin film noble metal electrodes and **electrode arrays**  
prepared by a photolithog. process suffer from contamination of the surface  
by traces of **transition metals** and their oxides which  
are used as adhesion promoters at the insulating substrates. This  
contamination is an ongoing process as the **transition**  
**metals** migrate continuously along the grain boundaries through the  
thin (1000-4000 Å) layer of the noble metal. The **transition**  
**metal** oxide affects the electrochem. properties of the noble metal  
surface and also its electron work function. A simple electrochem.  
pretreatment was developed which removes these contaminants from the  
surface and anneals the surface in a way that acceptable electrochem.  
behavior identical with a thick noble metal electrode is obtained. It  
consists of electrochem. etching of the surface by pulsing it between 0  
and +2 V in a solution containing 0.08M EDTA, 5.2% NH4OH, and  $2.7 \times 10^{-4}$ M  
H2O2 for 5-10 min. It is then followed by cycling of the applied  
potential between +0.4 and -0.4 V in 1M KNO3 for 10 min. Surfaces prepared  
by this procedure remain clean for a period of at least 24 h.



L6 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1987:203958 HCAPLUS  
 DOCUMENT NUMBER: 106:203958  
 TITLE: Solid-state linear sweep voltammetry: a probe of  
 diffusion in thin films of polymer ion conductors on  
 microdisk electrodes  
 AUTHOR(S): Geng, L.; Reed, R. A.; Longmire, M.; Murray, Royce W.  
 CORPORATE SOURCE: Kenan Lab. Chem., Univ. North Carolina, Chapel Hill,  
 NC, 27514, USA  
 SOURCE: Journal of Physical Chemistry (1987), 91(11), 2908-14  
 CODEN: JPCHAX; ISSN: 0022-3654  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB Pt microdisk electrodes of diameter 10'-70 µm sealed in glass, lying in  
 the same plane with Ag pseudoref. and Pt auxiliary disk electrodes, and  
 coated with a few micrometers of ionically conducting polymer film  
 (poly(ethylene oxide)-LiO<sub>3</sub>SCF<sub>3</sub>(16:1) containing electroactive solutes provide  
 a convenient exptl. microcell format for solid-state linear sweep and  
 cyclic voltammetry of the electroactive solutes. Transport rates of the  
 solutes in the polymer depend on composition of the bathing (plasticizing) gas  
 around the microcell, the temperature (polymer fluidity), and solute charge,  
 size, and phys. diffusion vs. electron self-exchange rates. Investigation  
 of such transport phenomena requires theor. anal. of the transport  
 geometry of the microcell. The preferred situations for measurement of  
 transport rate are (1) polymer films thick in comparison to electrode  
 diameter and transport rate, so that semiinfinite transport applies, and (2)  
 films thin in the same respects, so that currents are a summation of thin  
 layer cell and microcylindrical geometries. Measured diffusion consts.  
 are confirmed with data from a 4 electrode interdigitated **array**  
**electrode** experiment

=> d his

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 L3 6363 S L1(A)L2  
 L4 237512 S "TRANSITION METAL"  
 L5 9 S L3 AND L4  
 L6 8 DUP REM L5 (1 DUPLICATE REMOVED)

=> s analyte? or "binding ligand?"

L7 102140 ANALYTE? OR "BINDING LIGAND?"

=> s l3 and l7'

MISMATCHED QUOTE 'L55''

Quotation marks (or apostrophes) must be used in pairs,  
 one before and one after the expression you are setting  
 off or masking.

=> s l3 and l7

L8 132 L3 AND L7

=> s covalent

L9 150937 COVALENT

=> s covalent?

L10 255134 COVALENT?

=> s l8 and l10

L11 7 L8 AND L10

=> dup rem l11

PROCESSING COMPLETED FOR L11

L12 4 DUP REM L11 (3 DUPLICATES REMOVED)

=> d 1-4 ibib ab

L12 ANSWER 1 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

ACCESSION NUMBER: 2003-10586 BIOTECHDS

TITLE: Reporter system for detecting nucleic acid in liquid,  
comprises immobilized capture oligonucleotides, an affinity  
system having encapsulated electrochemically detectable  
reporter molecules, an electrochemical sensor;  
the use of oligonucleotide-affinity liposome in bacterium  
DNA detection

AUTHOR: BREDEHORST R; HINTSCHE R; HEUBERGER A

PATENT ASSIGNEE: FRAUNHOFER GES FOERDERUNG ANGEWANDTEN

PATENT INFO: WO 2002081739 17 Oct 2002

APPLICATION INFO: WO 2002-EP3892 8 Apr 2002

PRIORITY INFO: US 2001-282164 9 Apr 2001; US 2001-282164 9 Apr 2001

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2003-239074 [23]

AB DERWENT ABSTRACT:

NOVELTY - A reporter system (I) to detect nucleic acid containing  
**analyte** (A) in liquid has: (i) capture oligonucleotides (II)  
immobilized on a solid support and capable of specifically binding (A);  
(ii) affinity systems comprising an affinity component capable of  
specifically binding to (A) and/or (II); and (iii) an electrochemical  
sensor.

DETAILED DESCRIPTION - A reporter system (I) for detecting a nucleic  
acid containing **analyte** (A) present in a liquid, comprises: (a)  
capture oligonucleotides (II) (2) immobilized on a solid support (1) and  
capable of specifically binding (A); (b) affinity systems containing  
encapsulated electrochemically detectable reporter molecules (III),  
chosen from: (i) affinity liposomes (IV) containing (III) and comprising  
a surface-attached affinity component capable of specifically binding to  
(A) and/or (II) in a condition where (A) and (II) are bound to each  
other, but not to free (II); (ii) polymeric carrier molecules containing  
a **covalently** linked affinity component capable of specifically  
binding to (A) and/or (II) in a condition, where (A) and (II) are bound  
to each other, but not to free (II), and a **covalently** linked  
affinity component capable of specifically binding to affinity liposomes,  
plus affinity liposomes (V) containing encapsulated electrochemically  
detectable reporter molecules and comprising a surface-attached affinity  
component capable of specifically binding to the polymeric carrier  
molecules; (iii) complexes of (IV); and (iv) polymeric carrier molecules  
containing a **covalently** linked affinity component capable of  
specifically binding to (A) and/or (II) in a condition, where (A) and  
(II) are bound to each other, but not to free (II), and a  
**covalently** linked affinity component capable of specifically  
binding to affinity liposomes of complexes of affinity liposomes, plus  
the complexes of (IV); and (c) an electrochemical sensor.

WIDER DISCLOSURE - A kit comprising the reporter system, for  
detecting nucleic acid containing **analyte** in a liquid sample,  
is also disclosed.

BIOTECHNOLOGY - Preferred Reporter System: A surface-attached  
affinity component(s) of (IV) is chosen from single-stranded RNA or DNA,  
single-stranded RNA or DNA oligonucleotides, preorganized oligonucleotide  
structures including peptide nucleic acid (PNA) analogs, intercalating  
agents, intercalating agents conjugated to single-stranded  
oligonucleotides or nucleic acids, immunoglobulins or its fragments with  
specificity for double- and/or triple-stranded nucleic acids, and

non-immunoglobulin proteins capable of specifically binding to double-stranded nucleic acids. The surface-attached affinity component(s) is/are an intercalating agent chosen from acridines, actinomycin D, anthracyclines, cyanine dyes, hydroxystilbamidine, imidazoles, indoles, phenanthridines, psoralens or their derivatives. The **covalently** linked affinity component of the polymeric carrier molecules capable of specifically binding to the affinity liposomes is haptens, anti-haptens antibodies, enzyme inhibitors, inhibitor-binding enzymes, biotin, avidin or streptavidin. The surface-attached affinity components of the affinity liposomes are haptens, anti-hapten antibodies, enzyme inhibitors, inhibitor-binding enzymes, biotin, avidin or streptavidin. The complexes of (IV) are formed from affinity liposomes containing two types (type I and type II) of surface-attached affinity components, type I surface-attached affinity components being capable of specifically binding to (A) and/or the capture molecules in a condition, where (A) and capture molecules are bound to each other, but not to free capture molecules, and the type II surface-attached affinity components being capable of mediating the complexation of affinity liposomes by bridging molecules which have two binding sites for type II affinity components. Optionally, the type II surface-attached affinity components are capable of mediating the complexation of affinity liposomes by polymeric carrier molecules with immobilized affinity components providing two binding sites for type II affinity components. The surface-attached type II affinity components capable of mediating the complexation of affinity liposomes by bridging molecules are haptens, enzyme inhibitors or biotin. The bridging molecules are selected from molecules with more than a binding site, preferably from bi- or oligovalent anti-hapten antibodies, their fragments, conjugates, fusion constructs, inhibitor-binding enzymes, conjugates, fusion constructs and avidin and streptavidin. The surface-attached type II affinity components capable of mediating the complexation of (II) by polymeric carrier molecules, and the affinity components immobilized on the polymeric carrier molecules are chosen from haptens, anti-hapten antibodies, enzyme inhibitors, inhibitor-binding enzymes, biotin, avidin and streptavidin. Optionally, the complexes of (IV) are formed from two types of affinity liposomes, type I affinity liposomes containing two surface-attached affinity components capable of specifically binding to (II), and type II affinity liposomes containing two surface-attached affinity components capable of specifically binding to the surface-attached affinity components of type I affinity liposomes. Preferably, the type I affinity liposomes are chosen from single-stranded RNA and DNA, single-stranded RNA and DNA oligonucleotides, preorganized oligonucleotide structures including peptide nucleic acid (PNA) analogs capable of forming specific helical complexes with specific target nucleic acids or their amplicons, and the affinity components of type II affinity liposomes are as type I liposomes capable of forming helical complexes with the oligonucleotides and preorganized oligonucleotide structures of type I affinity liposomes. Complexes of (V) are formed from affinity liposomes containing two types of surface-attached affinity components such as surface-attached type I affinity components, and type II affinity components which are capable of mediating the complexation of affinity liposomes by bridging molecules. Optionally, the complexes of (V) are formed from affinity liposomes containing two types of surface-attached affinity components such as surface-attached type I affinity components, and type II affinity components which are capable of mediating the complexation of affinity liposomes by polymeric carrier molecules.

USE - (I) is useful for detecting a nucleic acid containing (A) in a liquid sample comprising: (a) providing (I) comprising capture oligonucleotides, affinity systems, preferably comprising affinity liposomes (IV) containing detectable reporter molecules (III), and an electrochemical sensor; (b) contacting the sample with immobilized capture oligonucleotides; (c) adding the affinity systems containing electrochemically detectable reporter molecules; (d) removing unbound affinity liposomes; (e) releasing encapsulated (III) from the interior of

affinity liposomes; and (f) measuring the reporter molecules using the electrochemical sensor. Preferably, (III) is released from the interior of the liposome by increasing the ambient temperature or by adding a liposome-lyzing agent. The method further comprises: (a) adding polymeric carrier molecules capable of specifically binding to (A) and/or (II) in conditions where (A) and (II) are bound to each other but not to free (II); and (b) removing unbound polymeric carrier molecules, before adding the affinity systems containing (III), and where the affinity liposomes added are capable of specifically binding to (A)-bound polymeric carrier molecules (claimed).

**ADVANTAGE** - The detection system eliminates the necessity for optical clarity of the sample solution and other ambient optical density requirements, and the necessity of enzymatic amplification technology. One small affinity liposome provides 105 molecules of redox mediators to allow excellent detectability of a binding event. The signal provided by a single **analyte**-bound affinity liposome can be easily amplified by one to two orders of magnitude if polymeric carrier systems and/or preformed complexes of affinity liposomes are used for detection. There is no need for chemical derivatization of redox mediators using the non-enzymatic liposome-linked interdigital **array electrodes array**. As a result, (I) reduces costs and analysis time without compromising detection sensitivity.

**EXAMPLE** - Detection of Mycobacterium tuberculosis DNA using oligonucleotide-affinity liposomes was carried out as follows. The single-stranded (ss) oligonucleotides complementary to the 3'-terminus of short fragments from the direct-repeat region of the M. tuberculosis DNA were **covalently** immobilized onto silica beads to serve as capture oligonucleotides. Captured M. tuberculosis DNA was detected with ss oligonucleotide-affinity liposomes containing p-aminophenol. The liposome-attached oligonucleotides were complementary to the 5'-terminus of short fragments from the direct-repeat region of M. tuberculosis DNA. Bound liposomes were lyzed by the addition of detergent and released p-aminophenol (PAP) was quantified by redox recycling using interdigitated array (IDA) electrodes. The assay was performed as a combination of liquid chromatography with electrochemical detection (LCEC). The ss capture oligonucleotide (18-mer) used in the assay was an oligonucleotide complementary to the 3'-terminus of the short fragment from the direct-repeat region of the M. tuberculosis DNA and included at the 3'-terminus, a 2-base thiophosphate thymine-Ts tag for immobilization to tresyl-activated silica beads and a single T-base separating the tag from the sensing oligonucleotide sequence: 3'-tsttcagcagctctgggttttgg-5'. The other assay components were a short fragment (36-mer) from the direct-repeat region of the M. tuberculosis DNA 5'-gtcgtcagaccccaaaaccccgagaggggacggaac-3' and ss liposome-attached oligonucleotide (18-mer: 3'-ggctctcccctgcctttg-5'-pyridyl disulfide) which was complementary to the 5'-terminus of the short fragment from the direct-repeat region of M. tuberculosis DNA and included at the 5'-terminus a pyridyl disulfide residue for **covalent** coupling to sulfhydryl-derivatized affinity liposomes. The thiophosphate thymine-containing capture oligonucleotides were immobilized onto tresyl-activated silica beads. Sulfhydryl-derivatized affinity liposomes were prepared by an injection method (Biochim.Biophys.Acta 298, 1015, 1973) from a lipid mixture of dimyristoylphosphatidylcholine, cholesterol, dicetylphosphate at a molar ratio of 5:4:1, and phosphatidylethanolamine derivatized with succinimidyl acetylthiopropionate (PE-SATP) at a concentration of 0.5 mol % of total lipid. To prepare liposomes, 2 micromol of stock lipid mixture in chloroform was evaporated under a stream of nitrogen and then placed in a vacuum desiccator overnight. The lipid was resolubilized in 50 microliters of dry isopropanol and injected with a syringe into 1 ml of 10 mM N-(2-OH-ethyl-)piperazine-N'-(2-ethanesulfonic acid) (HEPES), pH 7.4, containing 50 mM aminophenol. Liposomes of uniform size were formed spontaneously by this method. Unencapsulated p-aminophenol was removed by gel filtration, and liposomes were suspended in 0.1 M sodium phosphate,

0.15 M NaCl, pH 7.5, at a concentration of 5 mg/ml and mixed with hydroxylamine hydrochloride. After 2 h at room temperature, the deacetylated liposomes were purified by gel filtration and used immediately for coupling of pyridyl disulfide-derivatized oligonucleotides to the surface-attached sulfhydryl groups. The analytical system was washed and then the valve connecting the hybridization chamber with the flow chamber was closed and the sample containing the short fragment (36-mer) from the direct-repeat region of the M. tuberculosis DNA was applied to the hybridization chamber. After an incubation for 1 h at room temperature, the hybridization chamber was washed again with several volumes of 20 mM sodium phosphate, 0.1 M NaCl, pH 7, captured M. tuberculosis DNA was detected by adding 50 microliters of oligonucleotide-affinity liposomes. After an incubation of 1 h at room temperature, the hybridization chamber was washed with several volumes of 20 mM sodium phosphate, 0.1 M NaCl, pH 7. Finally, the valve connecting the immunoreaction chamber with the flow chamber was opened and bound affinity liposomes were lyzed by the addition of 100 microliters of 10 mM sodium phosphate, pH 7, containing 0.01 % Triton X-100. Released p-aminophenol (PAP) was detected by redox recycling. PAP was oxidized to quinoneimine at the anode (+250 mV) yielding an oxidation current. At the cathode (-50 mV) the quinoneimine was reduced to PAP. Using redox cycling for the detection of PAP, the detection limit was in the range of 50 nM corresponding to 2.5 pmol per 50 microliters. Since 10 to the power of 4 - 10 to the power of 5 p-aminophenol molecules are released from a single bound oligonucleotide-affinity liposome, the described assay configuration allowed the detection of low nanogram quantities/ml of the short fragment (36-mer) from the direct-repeat region of the M. tuberculosis DNA. (124 pages)

L12 ANSWER 2 OF 4 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 1

ACCESSION NUMBER: 2001350432 EMBASE  
TITLE: Antigen detection using microelectrode array microchips.  
AUTHOR: Dill K.; Montgomery D.D.; Wang W.; Tsai J.C.  
CORPORATE SOURCE: K. Dill, CombiMatrix Corporation, Harbour Point Tech Center, 6500 Harbour Heights Parkway, Mukilteo, WA 98275, United States  
SOURCE: Analytica Chimica Acta, (12 Oct 2001) 444/1 (69-78).  
Refs: 14  
ISSN: 0003-2670 CODEN: ACACAM  
PUBLISHER IDENT.: S 0003-2670(01)01155-2  
COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Conference Article  
FILE SEGMENT: 029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB Procedures and results are described for multiplexed immunochemical assays using semiconductor microchips. The microchips used here are miniaturized arrays of individually addressable microelectrodes controlled by active CMOS circuitry. Electrode densities exceed 1000 per cm(2). The array chips are coated with a porous reaction layer material to provide a 'biofriendly' milieu overlaying the **electrode array**. Biotin is linked **covalently** to regions within the porous reaction layer proximate to selected microelectrodes. **Covalent** linkage is accomplished using reagents that are generated in situ by the microelectrodes. The **covalent** linkage of biotin within the porous reaction layer allowed traditional streptavidin (SA)-based immunoassay formats to be used on the biochips. Biochips were used to develop multiplexed assay formats for biological entities over a wide size range - from small organic molecules to cells. Sandwich immunoassays were used for larger entities and competitive immunoassays for smaller molecules. Detection of **analytes** was accomplished using fluorophore-tagged antibodies and epifluorescent microscopy. Results from a broad range of **analytes** are presented. .COPYRG. 2001 Elsevier

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L12 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:327014 HCAPLUS  
TITLE: Antigen detection using microelectrode-array microchips.  
AUTHOR(S): Dill, Kilian; Montgomery, Donald D.; Wang, Wei; Tsai, Julie  
CORPORATE SOURCE: CombiMatrix Corporation, Burlingame, CA, 94010, USA  
SOURCE: Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March 26-30, 2000 (2000), ANYL-220. American Chemical Society: Washington, D. C. CODEN: 69CLAC  
DOCUMENT TYPE: Conference; Meeting Abstract  
LANGUAGE: English  
AB CombiMatrix employs CMOS integrated circuitry to produce analog VLSI arrays of individually addressable electrodes. First generation **electrode ArrayChips** provide 1,000 electrodes per square centimeter. The chips are coated with a porous biomatrix that is modified electrochem. to immobilize biotin at selected sites. The **covalent** linkage of biotin to the biomatrix allows traditional streptavidin-based immunoassay formats to be used on the chip. ArrayChips are used to develop multiplexed assay formats for biol. entities over a wide size range; from proteins to cells. Sandwich immunoassays are used for larger entities and competitive immunoassays for smaller mols. Detection of **analytes** is accomplished using fluorophore-tagged antibodies and epifluorescent microscopy. Results from a wide range of **analytes** will be discussed.

L12 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:414685 HCAPLUS  
DOCUMENT NUMBER: 129:51691  
TITLE: Chemical and biological sensors having electroactive polymer thin films attached to microfabricated devices and possessing immobilized indicator moieties  
INVENTOR(S): Guiseppi-Elie, Anthony  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S., 30 pp., Cont.-in-part of U.S. 5,352,574. CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 4  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5766934	A	19980616	US 1994-318494	19941004
US 5352574	A	19941004	US 1991-771759	19911004
PRIORITY APPLN. INFO.:			US 1989-322670	19890313
			US 1991-771759	19911004

AB Chemical and biol. sensors are provided that convert the chemical potential energy of an **analyte** into a proportionate elec. signal through the transducer action of a microfabricated device with an integral electroconductive polymer film. The microsensor devices possess a coplanar arrangement of at least one, and typically three, microfabricated interdigitated microsensor **electrode arrays** each with line and space dimensions that may range from 2-20  $\mu\text{m}$  and is typically 10  $\mu\text{m}$ , a platinized platinum counter electrode of area at least 10 times the area of the interdigitated microsensor **electrode array** and a chloridized silver/silver chloride reference electrode. Chemical and biol. sensors constructed according to the present invention employ a thin elec. conducting polymer film that is specifically attached via **covalent** bond formation to the interdigitated microsensor electrode component of the devices. The elec. conducting polymer film is

is formed in three layers, the first layer possesses high elec. conductivity and

**covalently** attached to the device surface, the second layer possess an inorg. catalyst and is **covalently** attached to the first, and the third layer possesses an indicator mol. which may be a bioactive mol. such as an enzyme or member of specific binding pair of biol. origin and is itself **covalently** attached to the second layer. Binding of an **analyte** or member of the specific binding pair reagent may result in a change in the elec. impedance (resistance and capacitance or both) of the highly elec. conducting layer. The elec. change in the polymer layers is a sensitive measure of the extent of binding of the binding agent and forms an anal. signal for the binding agent.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> e meade t/au

E1	1	MEADE STRANGE R/AU
E2	8	MEADE SUSIE J/AU
E3	122 -->	MEADE T/AU
E4	1	MEADE T B/AU
E5	7	MEADE T D/AU
E6	10	MEADE T E/AU
E7	15	MEADE T G/AU
E8	158	MEADE T J/AU
E9	48	MEADE T L/AU
E10	1	MEADE T S JR/AU
E11	1009	MEADE T W/AU
E12	2	MEADE TARA J/AU

=> s e3

L13 122 "MEADE T"/AU

=> d his

(FILE 'HOME' ENTERED AT 14:46:54 ON 07 SEP 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 14:47:22 ON 07 SEP 2004

L1	397929	S ARRAY?
L2	974455	S ELECTRODE?
L3	6363	S L1(A)L2
L4	237512	S "TRANSITION METAL"
L5	9	S L3 AND L4
L6	8	DUP REM L5 (1 DUPLICATE REMOVED)
L7	102140	S ANALYTE? OR "BINDING LIGAND?"
L8	132	S L3 AND L7
L9	150937	S COVALENT
L10	255134	S COVALENT?
L11	7	S L8 AND L10
L12	4	DUP REM L11 (3 DUPLICATES REMOVED)
		E MEADE T/AU
L13	122	S E3

=> s l2 and l3

L14 6363 L2 AND L3

=> s l7 and l14

L15 132 L7 AND L14

=> s l15 and l13

L16 0 L15 AND L13

=> s s l2 and l4

MISSING OPERATOR S L2

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l2 and l4

L17 7892 L2 AND L4

=> s s l7 and l17

MISSING OPERATOR S L7

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l7 and l17

L18 70 L7 AND L17

=> s l13 and l18

L19 0 L13 AND L18

=> dup rem l13

PROCESSING COMPLETED FOR L13

L20 75 DUP REM L13 (47 DUPLICATES REMOVED)

=> d 1-75 ibib

L20 ANSWER 1 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 1

ACCESSION NUMBER: 2004111033 EMBASE

TITLE: Mimicking Liver Iron Overload Using Liposomal Ferritin Preparations.

AUTHOR: Wood J.C.; Fassler J.D.; **Meade T.**

CORPORATE SOURCE: Dr. J.C. Wood, Division of Cardiology, Children's Hospital Los Angeles, Mailstop 34, 4650 Sunset Blvd., Los Angeles, CA 90027-0034, United States

SOURCE: Magnetic Resonance in Medicine, (2004) 51/3 (607-611).  
Refs: 20

ISSN: 0740-3194 CODEN: MRMEEN

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
014 Radiology  
025 Hematology  
048 Gastroenterology

LANGUAGE: English

SUMMARY LANGUAGE: English

L20 ANSWER 2 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 2004:107356 SCISEARCH

THE GENUINE ARTICLE: 768TQ

TITLE: Rehabilitation therapy services for stroke patients living at home: systematic review of randomised trials

AUTHOR: Legg L (Reprint); Langhorne P; Andersen H E; Corr S; Drummond A; Duncan P; Gershkoff A; Gilbertson L; Gladman J; Hui E; Jongbloed L; Leonardi-Bee J; Logan P; **Meade T**; de Vet R; Stoker-Yates J; Tilling K; Walker M; Wolfe C

CORPORATE SOURCE: Glasgow Royal Infirm, Acad Sect Geriatr Med, Level 3, Ctr Block, Glasgow G4 0SF, Lanark, Scotland (Reprint); Glasgow Royal Infirm, Acad Sect Geriatr Med, Glasgow G4 0SF, Lanark, Scotland

COUNTRY OF AUTHOR: Scotland

SOURCE: LANCET, (31 JAN 2004) Vol. 363, No. 9406, pp. 352-356.  
Publisher: LANCET LTD, 84 THEOBALDS RD, LONDON WC1X 8RR,



ENGLAND.  
ISSN: 0140-6736.  
DOCUMENT TYPE: General Review; Journal  
LANGUAGE: English  
REFERENCE COUNT: 25  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 3 OF 75 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
ACCESSION NUMBER: 2003-12583 BIOTECHDS  
TITLE: New isolated nucleic acid having expression that results in  
an insect resistant phenotype, useful for conferring insect  
resistance and for producing insect-resistant plants;  
recombinant protein production useful for constructing  
disease-resistance transgenic plant  
AUTHOR: SHUKLA V; **MEADE T**; LARRINUA I  
PATENT ASSIGNEE: DOW CHEM CO  
PATENT INFO: WO 2003020025 13 Mar 2003  
APPLICATION INFO: WO 2002-US27882 30 Aug 2002  
PRIORITY INFO: US 2001-316319 31 Aug 2001; US 2001-316319 31 Aug 2001  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2003-290133 [28]

L20 ANSWER 4 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 2  
ACCESSION NUMBER: 2003254133 EMBASE  
TITLE: Thrombosis prevention trial: Compliance with warfarin  
treatment and investigation of a retained effect.  
AUTHOR: Rudnicka A.R.; Ashby D.; Brennan P.; **Meade T**.  
CORPORATE SOURCE: Dr. A.R. Rudnicka, Dept. of Environ. and Prev. Medicine,  
Wolfson Inst. of Preventive Medicine, Charterhouse Square,  
London EC1M 6BQ, United Kingdom. a.r.rudnicka@qmul.ac.uk  
SOURCE: Archives of Internal Medicine, (23 Jul 2003) 163/12  
(1454-1460).  
Refs: 8  
ISSN: 0003-9926 CODEN: AIMDAP  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 006 Internal Medicine  
018 Cardiovascular Diseases and Cardiovascular Surgery  
025 Hematology  
037 Drug Literature Index  
038 Adverse Reactions Titles  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L20 ANSWER 5 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 3  
ACCESSION NUMBER: 2003394020 EMBASE  
TITLE: Insect resistance conferred by 283-kDa Photorhabdus  
luminescens protein TcdA in Arabidopsis thaliana.  
AUTHOR: Liu D.; Burton S.; Glancy T.; Li Z.-S.; Hampton R.;  
**Meade T**.; Merlo D.J.  
CORPORATE SOURCE: D. Liu, Dow AgroSciences LLC, 9330 Zionsville Road,  
Indianapolis, IN 46268, United States. dliu@dow.com  
SOURCE: Nature Biotechnology, (1 Oct 2003) 21/10 (1222-1228).  
Refs: 24  
ISSN: 1087-0156 CODEN: NABIF  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

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on STN

ACCESSION NUMBER: 2003336377 EMBASE  
TITLE: The future of Biobank [1].  
AUTHOR: **Meade T.**  
CORPORATE SOURCE: T. Meade, Epidemiology Unit, London Sch. of Hyg./Trop.  
Medicine, London WC1E 7HT, United Kingdom.  
tom.meade@lshtm.ac.uk  
SOURCE: Lancet, (9 Aug 2003) 362/9382 (492).  
Refs: 4  
ISSN: 0140-6736 CODEN: LANCAO  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 006 Internal Medicine  
017 Public Health, Social Medicine and Epidemiology  
022 Human Genetics  
LANGUAGE: English

L20 ANSWER 7 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 2003:658787 SCISEARCH  
THE GENUINE ARTICLE: 709XD  
TITLE: The future of Biobank  
AUTHOR: **Meade T (Reprint)**  
CORPORATE SOURCE: Univ London London Sch Hyg & Trop Med, Epidemiol Unit,  
Keppel St, London WC1E 7HT, England (Reprint); Univ London  
London Sch Hyg & Trop Med, Epidemiol Unit, London WC1E  
7HT, England  
COUNTRY OF AUTHOR: England  
SOURCE: LANCET, (9 AUG 2003) Vol. 362, No. 9382, pp. 492-492.  
Publisher: LANCET LTD, 84 THEOBALDS RD, LONDON WC1X 8RR,  
ENGLAND.  
ISSN: 0140-6736.  
DOCUMENT TYPE: Letter; Journal  
LANGUAGE: English  
REFERENCE COUNT: 4

L20 ANSWER 8 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN DUPLICATE 4

ACCESSION NUMBER: 2003:353698 SCISEARCH  
THE GENUINE ARTICLE: 669MB  
TITLE: A screening level approach for nontarget insect risk  
assessment: Transgenic Bt corn pollen and the monarch  
butterfly (Lepidoptera : Danaidae)  
AUTHOR: Wolt J D (Reprint); Peterson R K D; Bystrak P; **Meade  
T**  
CORPORATE SOURCE: Dow AgroSci, 9330 Zionsville Rd, Indianapolis, IN 46268  
USA (Reprint); Montana State Univ, Dept Entomol, Bozeman,  
MT 59717 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: ENVIRONMENTAL ENTOMOLOGY, (APR 2003) Vol. 32, No. 2, pp.  
237-246.  
Publisher: ENTOMOL SOC AMER, 9301 ANNAPOLIS RD, LANHAM, MD  
20706 USA.  
ISSN: 0046-225X.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 47  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 9 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 2003:809987 SCISEARCH  
THE GENUINE ARTICLE: 721BJ

TITLE: The critical link  
 AUTHOR: Steyn J (Reprint); **Meade T**  
 CORPORATE SOURCE: Energy Resources Int, 1015 18th St NW, Suite 650,  
 Washington, DC 20036 USA (Reprint); Energy Resources Int,  
 Washington, DC 20036 USA  
 COUNTRY OF AUTHOR: USA  
 SOURCE: NUCLEAR ENGINEERING INTERNATIONAL, (SEP 2003) Vol. 48, No.  
 590, pp. 18-+.  
 Publisher: WILMINGTON PUBLISHING, WILMINGTON HOUSE,  
 MAIDSTONE RD, FOOTS CRAY, SIDCUP DA14 SHZ, KENT, ENGLAND.  
 ISSN: 0029-5507.  
 DOCUMENT TYPE: Editorial; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 0

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ACCESSION NUMBER: 2002238061 EMBASE  
 TITLE: The need for independent scientific peer review of Biobank  
 UK [11] (multiple letters).  
 AUTHOR: Wallace H.; Radda G.; Dexter T.M.; **Meade T.**  
 CORPORATE SOURCE: H. Wallace, GeneWatch UK, Mill House, Tideswell, Buxton  
 SK17 8LN, United Kingdom. helen.wallace@genewatch.org  
 SOURCE: Lancet, (29 Jun 2002) 359/9325 (2282).  
 ISSN: 0140-6736 CODEN: LANCAO  
 COUNTRY: United Kingdom  
 DOCUMENT TYPE: Journal; Letter  
 FILE SEGMENT: 006 Internal Medicine  
 017 Public Health, Social Medicine and Epidemiology  
 022 Human Genetics  
 LANGUAGE: English

L20 ANSWER 11 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 2002:535726 SCISEARCH  
 THE GENUINE ARTICLE: 567YJ  
 TITLE: The need for independent scientific peer review of Biobank  
 UK - Reply  
 AUTHOR: Radda G (Reprint); Dexter T M; **Meade T**  
 CORPORATE SOURCE: MRC, London W1B 1AL, England (Reprint); Univ London London  
 Sch Hyg & Trop Med, Dept Epidemiol & Populat Hlth, London  
 WC1E 7HT, England; Wellcome Trust Res Labs, London,  
 England  
 COUNTRY OF AUTHOR: England  
 SOURCE: LANCET, (29 JUN 2002) Vol. 359, No. 9325, pp. 2282-2282.  
 Publisher: LANCET LTD, 84 THEOBALDS RD, LONDON WC1X 8RR,  
 ENGLAND.  
 ISSN: 0140-6736.  
 DOCUMENT TYPE: Letter; Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 4

L20 ANSWER 12 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 2002:279188 SCISEARCH  
 THE GENUINE ARTICLE: 536YJ  
 TITLE: Study of genes and environmental factors in complex  
 diseases  
 AUTHOR: Banks E; **Meade T (Reprint)**  
 CORPORATE SOURCE: Univ Oxford, Radcliffe Infirm, ICRF CEU, Oxford OX2 6HE,  
 England (Reprint); Univ London London Sch Hyg & Trop Med,  
 Epidemiol Unit, London WC1E 7HT, England  
 COUNTRY OF AUTHOR: England  
 SOURCE: LANCET, (30 MAR 2002) Vol. 359, No. 9312, pp. 1156-1157.

Publisher: LANCET LTD, 84 THEOBALDS RD, LONDON WC1X 8RR,  
ENGLAND.  
ISSN: 0140-6736.

DOCUMENT TYPE: Letter; Journal  
LANGUAGE: English  
REFERENCE COUNT: 2

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ACCESSION NUMBER: 2002124290 EMBASE  
TITLE: Study of genes and environmental factors in complex  
diseases [4] (multiple letters).  
AUTHOR: Wacholder S.; Garcia-Closas M.; Rothman N.; Burton P.;  
McCarthy M.; Elliott P.; Stene L.C.; Banks E.; **Meade**  
**T.**; Clayton D.; McKeigue P.  
CORPORATE SOURCE: S. Wacholder, Div. Cancer Epidemiol. and Genetics, National  
Cancer Institute, 6120 Executive, Boulevard, m/s 7244,  
Bethesda, MD 20892, United States. Wacholder@NIH.gov  
SOURCE: Lancet, (30 Mar 2002) 359/9312 (1155-1157).  
ISSN: 0140-6736 CODEN: LANCAO  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 006 Internal Medicine  
016 Cancer  
017 Public Health, Social Medicine and Epidemiology  
018 Cardiovascular Diseases and Cardiovascular Surgery  
022 Human Genetics  
LANGUAGE: English

L20 ANSWER 14 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN

ACCESSION NUMBER: 2002434327 EMBASE  
TITLE: Bezafibrate in men with lower extremity arterial disease:  
Randomised controlled trial.  
AUTHOR: **Meade T.**; Zuhrie R.; Cook C.; Cooper J.  
CORPORATE SOURCE: Prof. T. Meade, Department of Epidemiology, London Sch. of  
Hyg./Tropical Med., London WC1E 7HT, United Kingdom.  
Tom.meade@Ishtm.ac.uk  
SOURCE: British Medical Journal, (16 Nov 2002) 325/7373  
(1139-1141).  
Refs: 15  
ISSN: 0959-8146 CODEN: BMJOAE  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 018 Cardiovascular Diseases and Cardiovascular Surgery  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L20 ANSWER 15 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
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ACCESSION NUMBER: 2002:920910 SCISEARCH  
THE GENUINE ARTICLE: 618XN  
TITLE: Bezafibrate in men with lower extremity arterial disease:  
randomised controlled trial  
AUTHOR: **Meade T (Reprint)**; Zuhrie R; Cook C; Cooper J  
CORPORATE SOURCE: Univ London London Sch Hyg & Trop Med, Dept Epidemiol &  
Populat Hlth, Keppel St, London WC1E 7HT, England  
(Reprint); Univ London London Sch Hyg & Trop Med, Dept  
Epidemiol & Populat Hlth, London WC1E 7HT, England;  
Wolfson Inst Prevent Med, MRC, Epidemiol & Med Care Unit,  
London EC1M 6BQ, England  
COUNTRY OF AUTHOR: England  
SOURCE: BRITISH MEDICAL JOURNAL, (16 NOV 2002) Vol. 325, No. 7373,

pp. 1139-1141.  
Publisher: BRITISH MED JOURNAL PUBL GROUP, BRITISH MED  
ASSOC HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR, ENGLAND.  
ISSN: 0959-535X.

DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 21

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 16 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 5

ACCESSION NUMBER: 2002:815335 SCISEARCH

THE GENUINE ARTICLE: 600BV

TITLE: Binary insecticidal crystal protein from *Bacillus thuringiensis*, strain PS149B1: Effects of individual protein components and mixtures in laboratory bioassays

AUTHOR: Herman R A (Reprint); Scherer P N; Young D L; Mihaliak C A; **Meade T**; Woodsworth A T; Stockhoff B A; Narva K E

CORPORATE SOURCE: Dow AgroSci LLC, Regulatory Labs, Indianapolis, IN 46268 USA (Reprint)

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF ECONOMIC ENTOMOLOGY, (JUN 2002) Vol. 95, No. 3, pp. 635-639.  
Publisher: ENTOMOL SOC AMER, 9301 ANNAPOLIS RD, LANHAM, MD 20706 USA.

ISSN: 0022-0493.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 9

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 17 OF 75 MEDLINE on STN DUPLICATE 6

ACCESSION NUMBER: 2003113077 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12626209

TITLE: WISDOM: history and early demise - was it inevitable?.

AUTHOR: Vickers M; **Meade T**; Darbyshire J

CORPORATE SOURCE: Medical Research Council General Practice Research Framework, MRC Clinical Trials Unit, London, UK.

SOURCE: Climacteric : journal of the International Menopause Society, (2002 Dec) 5 (4) 317-25.

Journal code: 9810959. ISSN: 1369-7137.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200305

ENTRY DATE: Entered STN: 20030311

Last Updated on STN: 20030514

Entered Medline: 20030513

L20 ANSWER 18 OF 75 MEDLINE on STN

ACCESSION NUMBER: 2001154495 MEDLINE

DOCUMENT NUMBER: PubMed ID: 11201450

TITLE: Seeing is believing.

COMMENT: Comment on: Acad Radiol. 2001 Jan;8(1):15-23. PubMed ID: 11201452

Comment on: Acad Radiol. 2001 Jan;8(1):4-14. PubMed ID: 11201455

AUTHOR: **Meade T**

SOURCE: Academic radiology, (2001 Jan) 8 (1) 1-3. Ref: 23  
Journal code: 9440159. ISSN: 1076-6332.

PUB. COUNTRY: United States

DOCUMENT TYPE: Commentary

Editorial  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200103  
ENTRY DATE: Entered STN: 20010404  
Last Updated on STN: 20010404  
Entered Medline: 20010322

L20 ANSWER 19 OF 75 MEDLINE on STN  
ACCESSION NUMBER: 2001160563 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11230087  
TITLE: Safeguards for research using large scale DNA collections.  
Study will not be started before suitable arrangements are  
in place.  
COMMENT: Comment on: BMJ. 2000 Apr 1;320(7239):933-5. PubMed ID:  
10742009  
Comment on: BMJ. 2000 Nov 4;321(7269):1146-9. PubMed ID:  
11061743  
AUTHOR: Meade T  
SOURCE: BMJ (Clinical research ed.), (2001 Mar 3) 322 (7285) 551.  
Journal code: 8900488. ISSN: 0959-8138.  
Report No.: KIE-103882.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: Commentary  
Letter  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Bioethics; Priority  
Journals  
ENTRY MONTH: 200104  
ENTRY DATE: Entered STN: 20010410  
Last Updated on STN: 20021211  
Entered Medline: 20010405

L20 ANSWER 20 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 7  
ACCESSION NUMBER: 2001:443202 SCISEARCH  
THE GENUINE ARTICLE: 437NC  
TITLE: Tunable narrow-band terahertz generation from periodically  
poled lithium niobate  
AUTHOR: Lee Y S (Reprint); Meade T; Norris T B;  
Galvanauskas A  
CORPORATE SOURCE: Univ Michigan, Ctr Ultrafast Opt Sci, Ann Arbor, MI 48109  
USA (Reprint); IMRA Amer, Ann Arbor, MI 48105 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: APPLIED PHYSICS LETTERS, (4 JUN 2001) Vol. 78, No. 23, pp.  
3583-3585.  
Publisher: AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE  
1N01, MELVILLE, NY 11747-4501 USA.  
ISSN: 0003-6951.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 12  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 21 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 8  
ACCESSION NUMBER: 2001368713 EMBASE  
TITLE: Commentary: UKPDS is well designed and clinically  
important.  
AUTHOR: Holman R.R.; Matthews D.R.; Meade T.  
CORPORATE SOURCE: R.R. Holman, Diabetes Trials Unit, Oxford Centre for  
Diabetes, University of Oxford, Oxford OX2 6HE, United

SOURCE: Kingdom. holman@dtu.ox.ac.uk  
British Medical Journal, (13 Oct 2001) 323/7317 (857-858).  
Refs: 9  
ISSN: 0959-8146 CODEN: BMJOAE  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Note  
FILE SEGMENT: 003 Endocrinology  
017 Public Health, Social Medicine and Epidemiology  
LANGUAGE: English

L20 ANSWER 22 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN

ACCESSION NUMBER: 2001110762 EMBASE  
TITLE: Safeguards for research using large scale DNA collections  
[3] (multiple letters).  
AUTHOR: Meade T.; Hopkinson I.  
CORPORATE SOURCE: T. Meade, Med. Research Council Epidemiology, Wolfson Inst.  
of Preventive Medicine, St Bartholomew's Sch. of  
Med./Dent., London EC1M 6BQ, United Kingdom.  
Susan.J.Matthews@mds.qmw.ac.uk  
SOURCE: British Medical Journal, (3 Mar 2001) 322/7285 (551).  
ISSN: 0959-8146 CODEN: BMJOAE  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 017 Public Health, Social Medicine and Epidemiology  
022 Human Genetics  
LANGUAGE: English

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ACCESSION NUMBER: 2001:194315 SCISEARCH  
THE GENUINE ARTICLE: 409EA  
TITLE: Safeguards for research using large scale DNA collections  
- Study will not be started before suitable arrangements  
are in place  
AUTHOR: Meade T (Reprint)  
CORPORATE SOURCE: St Bartholomews & Royal London Sch Med & Dent, Wolfson  
Inst Prevent Med, MRC, Epidemiol & Med Care Unit, London  
EC1M 6BQ, England (Reprint)  
COUNTRY OF AUTHOR: England  
SOURCE: BRITISH MEDICAL JOURNAL, (3 MAR 2001) Vol. 322, No. 7285,  
pp. 551-551.  
Publisher: BRITISH MED JOURNAL PUBL GROUP, BRITISH MED  
ASSOC HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR, ENGLAND.  
ISSN: 0959-8138.  
DOCUMENT TYPE: Letter; Journal  
LANGUAGE: English  
REFERENCE COUNT: 2

L20 ANSWER 24 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 2001:690374 SCISEARCH  
THE GENUINE ARTICLE: 463FW  
TITLE: Investigations of electron transfer in DNA via sugar  
labeled nucleotides  
AUTHOR: Miller J (Reprint); Frank N; Meade T  
CORPORATE SOURCE: CALTECH, Div Chem & Chem Engrn, Pasadena, CA 91125 USA;  
Univ Washington, Dept Chem, Seattle, WA 98195 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF INORGANIC BIOCHEMISTRY, (AUG 2001) Vol. 86, No.  
1, pp. 341-341.  
Publisher: ELSEVIER SCIENCE INC, 655 AVENUE OF THE  
AMERICAS, NEW YORK, NY 10010 USA.  
ISSN: 0162-0134.

DOCUMENT TYPE: Conference; Journal  
LANGUAGE: English  
REFERENCE COUNT: 2

L20 ANSWER 25 OF 75 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:90470 HCAPLUS  
DOCUMENT NUMBER: 134:272869  
TITLE: Narrow-band terahertz wavetrains generated by optical  
rectification in periodically-poled lithium niobate  
AUTHOR(S): **Meade, T.**; Lee, Y. -S.; Perlin, V.; Winful,  
H.; Norris, T. B.; Galvanauskas, A.  
CORPORATE SOURCE: Center for Ultrafast Optical Science, University of  
Michigan, Ann Arbor, MI, 48109, USA  
SOURCE: Springer Series in Chemical Physics (2001),  
66(Ultrafast Phenomena XII), 206-208  
CODEN: SSCPDA; ISSN: 0172-6218  
PUBLISHER: Springer-Verlag  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 26 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 9

ACCESSION NUMBER: 2001258839 EMBASE  
TITLE: Seeing is believing.  
AUTHOR: **Meade T.**  
CORPORATE SOURCE: Dr. T. Meade, Division of Biology, California Institute of  
Technology, 1200 E California Blvd., Pasadena, CA 91125,  
United States  
SOURCE: Academic Radiology, (2001) 8/1 (1-3).  
Refs: 23  
ISSN: 1076-6332 CODEN: ARADFX  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Conference Article  
FILE SEGMENT: 014 Radiology  
LANGUAGE: English

L20 ANSWER 27 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 10

ACCESSION NUMBER: 2000:322420 SCISEARCH  
THE GENUINE ARTICLE: 307PY  
TITLE: Generation of narrow-band terahertz radiation via optical  
rectification of femtosecond pulses in periodically poled  
lithium niobate  
AUTHOR: Lee Y S (Reprint); **Meade T**; Perlin V; Winful H;  
Norris T B; Galvanauskas A  
CORPORATE SOURCE: UNIV MICHIGAN, CTR ULTRAFast OPT SCI, ANN ARBOR, MI 48109  
(Reprint); IMRA AMER, ANN ARBOR, MI 48105  
COUNTRY OF AUTHOR: USA  
SOURCE: APPLIED PHYSICS LETTERS, (1 MAY 2000) Vol. 76, No. 18, pp.  
2505-2507.  
Publisher: AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE  
1N01, MELVILLE, NY 11747-4501.  
ISSN: 0003-6951.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: PHYS  
LANGUAGE: English  
REFERENCE COUNT: 11

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 28 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 11

ACCESSION NUMBER: 2000:776249 SCISEARCH



THE GENUINE ARTICLE: 362HK  
 TITLE: Domain mapping of periodically poled lithium niobate via terahertz wave form analysis  
 AUTHOR: Lee Y S (Reprint); **Meade T**; Naudeau M L; Norris T B; Galvanauskas A  
 CORPORATE SOURCE: UNIV MICHIGAN, CTR ULTRAFAST OPT SCI, ANN ARBOR, MI 48109 (Reprint); IMRA AMER, ANN ARBOR, MI 48105  
 COUNTRY OF AUTHOR: USA  
 SOURCE: APPLIED PHYSICS LETTERS, (16 OCT 2000) Vol. 77, No. 16, pp. 2488-2490.  
 Publisher: AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE 1N01, MELVILLE, NY 11747-4501.  
 ISSN: 0003-6951.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: PHYS  
 LANGUAGE: English  
 REFERENCE COUNT: 24  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 29 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN DUPLICATE 12  
 ACCESSION NUMBER: 2000:662208 SCISEARCH  
 THE GENUINE ARTICLE: 346ZC  
 TITLE: Temperature dependence of narrow-band terahertz generation from periodically poled lithium niobate  
 AUTHOR: Lee Y S (Reprint); **Meade T**; DeCamp M; Norris T B; Galvanauskas A  
 CORPORATE SOURCE: UNIV MICHIGAN, CTR ULTRAFAST OPT SCI, ANN ARBOR, MI 48109 (Reprint); IMRA AMER, ANN ARBOR, MI 48105  
 COUNTRY OF AUTHOR: USA  
 SOURCE: APPLIED PHYSICS LETTERS, (28 AUG 2000) Vol. 77, No. 9, pp. 1244-1246.  
 Publisher: AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE 1N01, MELVILLE, NY 11747-4501.  
 ISSN: 0003-6951.  
 DOCUMENT TYPE: Article; Journal  
 FILE SEGMENT: PHYS  
 LANGUAGE: English  
 REFERENCE COUNT: 16  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 30 OF 75 MEDLINE on STN  
 ACCESSION NUMBER: 1999437229 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 10509530  
 TITLE: CYP2C9\*3 allelic variant and bleeding complications.  
 COMMENT: Comment on: Lancet. 1999 Feb 27;353(9154):717-9. PubMed ID: 10073515  
 AUTHOR: Ogg M S; Brennan P; **Meade T**; Humphries S E  
 SOURCE: Lancet, (1999 Sep 25) 354 (9184) 1124.  
 Journal code: 2985213R. ISSN: 0140-6736.  
 PUB. COUNTRY: ENGLAND: United Kingdom  
 DOCUMENT TYPE: (CLINICAL TRIAL)  
 Commentary  
 Letter  
 LANGUAGE: English  
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
 ENTRY MONTH: 199910  
 ENTRY DATE: Entered STN: 20000111  
 Last Updated on STN: 20000113  
 Entered Medline: 19991026

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 on STN  
 ACCESSION NUMBER: 1999336097 EMBASE

TITLE: CYP2C9\*3 allelic variant and bleeding complications [5].  
 AUTHOR: Ogg M.S.; Brennan P.; **Meade T.**; Humphries S.E.  
 CORPORATE SOURCE: S.E. Humphries, Cardiovascular Genetics, UCL, London WC1E 6JJ, United Kingdom  
 SOURCE: Lancet, (25 Sep 1999) 354/9184 (1124).  
 Refs: 5  
 ISSN: 0140-6736 CODEN: LANCAO  
 COUNTRY: United Kingdom  
 DOCUMENT TYPE: Journal; Letter  
 FILE SEGMENT: 006 Internal Medicine  
 018 Cardiovascular Diseases and Cardiovascular Surgery  
 022 Human Genetics  
 030 Pharmacology  
 037 Drug Literature Index  
 038 Adverse Reactions Titles  
 LANGUAGE: English

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ACCESSION NUMBER: 1999:735038 SCISEARCH  
 THE GENUINE ARTICLE: 239PA  
 TITLE: CYP2C9]3 allelic variant and bleeding complications  
 AUTHOR: Ogg M S; Brennan P; **Meade T**; Humphries S E  
 (Reprint)  
 CORPORATE SOURCE: UCL, LONDON WC1E 6JJ, ENGLAND (Reprint); UCL, LONDON WC1E 6JJ, ENGLAND; ST BARTHOLOMEWS SCH MED, WOLFSON INST PREVENT MED, MRC, EPIDEMIOLOGICAL & MED CARE UNIT, LONDON, ENGLAND; ROYAL LONDON SCH MED, WOLFSON INST PREVENT MED, MRC, EPIDEMIOLOGICAL & MED CARE UNIT, LONDON, ENGLAND  
 COUNTRY OF AUTHOR: ENGLAND  
 SOURCE: LANCET, (25 SEP 1999) Vol. 354, No. 9184, pp. 1124-1124.  
 Publisher: LANCET LTD, 42 BEDFORD SQUARE, LONDON WC1B 3SL, ENGLAND.  
 ISSN: 0140-6736.  
 DOCUMENT TYPE: Letter; Journal  
 FILE SEGMENT: LIFE; CLIN  
 LANGUAGE: English  
 REFERENCE COUNT: 5

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on STN DUPLICATE 13

ACCESSION NUMBER: 1999158933 EMBASE  
 TITLE: MRC/BHF Heart Protection Study of cholesterol-lowering therapy and of antioxidant vitamin supplementation in a wide range of patients at increased risk of coronary heart disease death: Early safety and efficacy experience.  
 AUTHOR: **Meade T.**; Sleight P.; Collins R.; Armitage J.; Parish S.; Peto R.; Youngman L.; Buxton M.; De Bono D.; Fuller J.; Keech A.; Mansfield A.; Pentecost B.; Simpson D.; Warlow C.; O'Toole L.  
 CORPORATE SOURCE: T. Meade, MRC-BHF Heart Protection Study, Clinical Trial Service Unit, Radcliffe Infirmary, Oxford OX2 6HE, United Kingdom  
 SOURCE: European Heart Journal, (1999) 20/10 (725-741).  
 Refs: 76  
 ISSN: 0195-668X CODEN: EHJODF  
 COUNTRY: United Kingdom  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 006 Internal Medicine  
 018 Cardiovascular Diseases and Cardiovascular Surgery  
 037 Drug Literature Index  
 038 Adverse Reactions Titles  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

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on STN  
DUPLICATE 14

ACCESSION NUMBER: 2000019555 EMBASE

TITLE: Collaborative overview ('meta-analysis') of prospective observational studies of the associations of usual blood pressure and usual cholesterol levels with common causes of death: Protocol for the second cycle of the Prospective Studies Collaboration.

AUTHOR: Iso H.; Sato H.; Chambless L.; De Backer G.; De Bacquer D.; Kornitzer M.; Ebrahim S.; Whincup P.; Wannamethee G.; Wald N.; Morris J.; Knuimann M.; Sweetnam P.; Elwood P.; Kronmal R.; Kromhout D.; Sutherland S.; Keil J.; Schnohr P.; Jensen G.; Grobbee D.; Wittteman J.; Hames C.; Aromaa A.; Knekt P.; Reunanen A.; Tuomilehto J.; Jousilahti P.; Vartiainen E.; Levy D.; D'Agostino R.; Silbershatz H.; Thomsen T.; Bengtsson C.; Sharp D.; Benetos A.; Guize L.; Goldbourt U.; Yaari S.; Murayama T.; Tomita M.; Nishimoto M.; Staessen J.; Criqui M.; Davies C.; Jacobs D.; Blackburn H.; Luepker R.; Neaton J.; Cox C.; Ofstedal M.; Weiss S.; Cassano P.; Sparrow D.; Vokonas P.; Tverdal A.; Selmer R.; Meade T.; Garrow K.; Cooper J.; Menotti A.; Spagnolo A.; Tsuji I.; Imai Y.; Ohkubo T.; Hisamichi S.; Haheim L.; Holme I.; Hjermann I.; Leren P.; Ducimetiere P.; Richard J.; Jamrozik K.; Broadhurst R.; Assmann G.; Schulte H.; Clarke R.; Collins R.; Donald A.; Duffy S.; Lewington S.; MacMahon S.; Peto R.; Qizilbash N.; Rodgers A.; Sherliker P.; Zhang W.; Sorlie P.; Garcia-Palmeri M.; Barrett-Conner E.; Langer R.; Gillis C.; Hole D.; Nakachi K.; Fang X.; Li S.; Buzina R.; Kivinen P.; Nissinen A.; et al.

CORPORATE SOURCE: H. Iso, Clinical Trial Service Unit, Epidemiological Studies Unit, Radcliffe Infirmary, Oxford OX2 6HE, United Kingdom. psc@cts.ox.ac.uk

SOURCE: Journal of Cardiovascular Risk, (1999) 6/5 (315-320).  
Refs: 75

ISSN: 1350-6277 CODEN: JCRIEO

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 018 Cardiovascular Diseases and Cardiovascular Surgery  
029 Clinical Biochemistry  
017 Public Health, Social Medicine and Epidemiology  
027 Biophysics, Bioengineering and Medical Instrumentation

LANGUAGE: English

SUMMARY LANGUAGE: English

L20 ANSWER 35 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
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ACCESSION NUMBER: 1999:859640 SCISEARCH

THE GENUINE ARTICLE: 230DT

TITLE: Two oral appliances for obstructive sleep apnea compared in a controlled treatment trial.

AUTHOR: SchmidtNowara W (Reprint); DeFazio F; Meade T; Nathe C

CORPORATE SOURCE: UNIV NEW MEXICO, DIV PULM, ALBUQUERQUE, NM 87131; UNIV NEW MEXICO, SCH DENT HYG, ALBUQUERQUE, NM 87131

COUNTRY OF AUTHOR: USA

SOURCE: AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE (MAR 1999) Vol. 159, No. 3, Supp. [S], pp. A248-A248.  
Publisher: AMER LUNG ASSOC, 1740 BROADWAY, NEW YORK, NY 10019.

ISSN: 1073-449X.

DOCUMENT TYPE: Conference; Journal

FILE SEGMENT: LIFE; CLIN

LANGUAGE: English  
REFERENCE COUNT: 0

L20 ANSWER 36 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 2002:89797 BIOSIS  
DOCUMENT NUMBER: PREV200200089797  
TITLE: Magnetic resonance imaging agents for the detection of  
physiological agents.  
AUTHOR(S): Meade, T. [Inventor]; Fraser, S. [Inventor];  
Jacobs, R. [Inventor]  
CORPORATE SOURCE: Altadena, Calif., USA  
ASSIGNEE: RESEARCH CORPORATION TECHNOLOGIES  
PATENT INFORMATION: US 5707605 Jan. 13, 1998  
SOURCE: Official Gazette of the United States Patent and Trademark  
Office Patents, (Jan. 13, 1998) Vol. 1206, No. 2, pp. 1277.  
print.  
CODEN: OGUPE7. ISSN: 0098-1133.  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
ENTRY DATE: Entered STN: 16 Jan 2002  
Last Updated on STN: 25 Feb 2002

L20 ANSWER 37 OF 75 MEDLINE on STN DUPLICATE 15

ACCESSION NUMBER: 1999370483 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10441895  
TITLE: Low dose warfarin and aspirin in preventing IHD.  
AUTHOR: Meade T  
CORPORATE SOURCE: MRC Epidemiology & Medical Care Unit, Wolfson Institute of  
Preventive Medicine, St Bartholemew's, London.  
SOURCE: Practitioner, (1998 Nov) 242 (1592) 799-803. Ref: 5  
Journal code: 0404245. ISSN: 0032-6518.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: (CLINICAL TRIAL)  
Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199908  
ENTRY DATE: Entered STN: 19990827  
Last Updated on STN: 19990827  
Entered Medline: 19990817

L20 ANSWER 38 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1998:485862 SCISEARCH  
THE GENUINE ARTICLE: ZV215  
TITLE: MicroMagnetic Resonance Imaging in developmental biology  
AUTHOR: Meade T (Reprint); Fraser S; Jacobs R  
CORPORATE SOURCE: CALTECH, BECKMAN INST, DIV BIOL, PASADENA, CA 91125  
COUNTRY OF AUTHOR: USA  
SOURCE: DEVELOPMENTAL BIOLOGY, (1 JUN 1998) Vol. 198, No. 1, pp.  
43-43.  
Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525  
B ST, STE 1900, SAN DIEGO, CA 92101-4495.  
ISSN: 0012-1606.  
DOCUMENT TYPE: Conference; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 0

L20 ANSWER 39 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN DUPLICATE 16

ACCESSION NUMBER: 1998:275581 BIOSIS  
DOCUMENT NUMBER: PREV199800275581  
TITLE: Influence of interspecific and intraspecific host plant variation on the susceptibility of heliothines to a baculovirus.  
AUTHOR(S): Ali, M. I. [Reprint author]; Felton, G. W. [Reprint author]; **Meade, T.**; Young, S. Y. [Reprint author]  
CORPORATE SOURCE: Dep. Entomol., Univ. Arkansas, Fayetteville, AR 72701, USA  
SOURCE: Biological Control, (May, 1998) Vol. 12, No. 1, pp. 42-49. print.  
ISSN: 1049-9644.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 24 Jun 1998  
Last Updated on STN: 24 Jun 1998

L20 ANSWER 40 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 1998:786858 SCISEARCH  
THE GENUINE ARTICLE: 126YN  
TITLE: Conversion services: the fuel market's stepchild  
AUTHOR: Steyn J (Reprint); **Meade T**  
CORPORATE SOURCE: ENERGY RESOURCES INT INC, 1015 18TH ST NW, SUITE 650, WASHINGTON, DC 20036 (Reprint)  
COUNTRY OF AUTHOR: USA  
SOURCE: NUCLEAR ENGINEERING INTERNATIONAL, (SEP 1998) Vol. 43, No. 530, pp. 14-15.  
Publisher: REED BUSINESS INFORMATION LTD, QUADRANT HOUSE THE QUADRANT, SUTTON SM2 5AS, SURREY, ENGLAND.  
ISSN: 0029-5507.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: ENGI  
LANGUAGE: English  
REFERENCE COUNT: 0

L20 ANSWER 41 OF 75 LIFESCI COPYRIGHT 2004 CSA on STN  
ACCESSION NUMBER: 1999:97664 LIFESCI  
TITLE: Nucleic acid mediated electron transfer  
AUTHOR: **Meade, T.**; Kayyem, J.A.; Fraser, S.  
CORPORATE SOURCE: California Institute of Technology  
SOURCE: (19980714) . US Patent 5780234; US CLASS: 435/6; 435/5; 435/91.1; 435/91.2; 536/24.3; 536/24.32; 536/24.33; 536/23.1; 536/26.6..  
DOCUMENT TYPE: Patent  
FILE SEGMENT: W3  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L20 ANSWER 42 OF 75 MEDLINE on STN  
ACCESSION NUMBER: 95313023 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 7792751  
TITLE: Effect of factor VII genotype on response to warfarin treatment.  
AUTHOR: Lane A; Green F; Humphries S; Ruddock V; **Meade T**  
SOURCE: Thrombosis and haemostasis, (1995 Feb) 73 (2) 325.  
Journal code: 7608063. ISSN: 0340-6245.  
PUB. COUNTRY: GERMANY: Germany, Federal Republic of  
DOCUMENT TYPE: (CLINICAL TRIAL)  
Letter  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199507  
ENTRY DATE: Entered STN: 19950807  
Last Updated on STN: 19950807

Entered Medline: 19950727

L20 ANSWER 43 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 17

ACCESSION NUMBER: 95:844849 SCISEARCH  
THE GENUINE ARTICLE: TH877  
TITLE: INTEGRATION OF HOST-PLANT RESISTANCE AND  
BACILLUS-THURINGIENSIS INSECTICIDES IN THE MANAGEMENT OF  
LEPIDOPTEROUS PESTS OF CELERY  
AUTHOR: MEADE T (Reprint); HARE J D  
CORPORATE SOURCE: UNIV ARKANSAS, DEPT ENTOMOL, 321 AGR BLDG, FAYETTEVILLE,  
AR, 72701 (Reprint); UNIV CALIF RIVERSIDE, DEPT ENTOMOL,  
RIVERSIDE, CA, 92521  
COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF ECONOMIC ENTOMOLOGY, (DEC 1995) Vol. 88, No. 6,  
pp. 1787-1794.  
ISSN: 0022-0493.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: AGRI  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 29  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 44 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 96:21761 SCISEARCH  
THE GENUINE ARTICLE: TL423  
TITLE: CHOLESTEROL, DIASTOLIC BLOOD-PRESSURE, AND STROKE - 13000  
STROKES IN 450000 PEOPLE IN 45 PROSPECTIVE COHORTS  
AUTHOR: QIZILBASH N (Reprint); LEWINGTON S; DUFFY S; PETO R; SMITH  
T; SPIEGELHALTER D; ISO H; SHIMAMOTO T; KOMACHI Y; IIDA M;  
DOYLE J; STROGATZ D; EBRAHIM S; WANNAMETHEE G; WHINCUP P;  
BURKE V; CULLEN K; KNUIMAN M; WELBORN T; BAINTON D; BAKER  
I; ELWOOD P; SWEETNAM P; YARNELL J; KEIL J; SUTHERLAND S;  
HAMES C; TYROLER H; DAGOSTINO R; KANNEL W; WOLF P; AROMAA  
A; KNEKT P; MAATELA J; REUNANEN A; PUSKA P; SARTI C;  
TAMMINEN M; TUOMILEHTO J; VARTIAINEN E; BENGTSOON C;  
BJORKELUND C; LISSNER L; KODAMA K; SHIMIZU Y; KAGAN A;  
POPPER J; REED D; YANO K; GOLDBOURT U; MEDALIE J; YAARI S;  
CRIQUI M; DAVIS C; BLACKBURN H; JACOBS D; LEUPKER R;  
HARRIS T; MADANS J; OFSTEDAL M; BJARTVEIT K; STENSVOLD I;  
TVERDAL A; GARROW K; MEADE T; RUDDOCK V; HAHEIM  
L; HJERMANN I; HOLME I; LEREN P; CAMBIEN F; DUCIMETIERE P;  
RICHARD J; ASSMANN G; BARRETTCONNOR E; LANGER R; GILLIS C;  
HART C; HAWTHORNE V; HOLE D; ISLES C; LEVER A; SMITH G D;  
ARAVANIS C; BLACKBURN H; BUZINA R; DONTAS A; FIDANZA F;  
GIAMPAOLI S; KARVONEN M; KEYS A; KROMHOUT D; LANTI M;  
MENOTTI A; MOHACEK I; NEDELJKOVIC S; NISSINEN A; PUNSAR S;  
SECCARECCIA F; TOSHIMA H; CHEN Z; COLLINS R; LI W; LU J;  
DATE C; NAKAYAMA T; TANAKA H; YOKOYAMA T; YOSHIIKE N;  
BROWN C; TUNSTALLPEDOE H; HIGGINS M; KELLER J; CARSTENSEN  
J; TORNBERG S; MARMOT M; SHIPLEY M  
CORPORATE SOURCE: UNIV OXFORD, RADCLIFFE INFIRM, DEPT CLIN GERATOL, OXFORD  
OX2 6HE, ENGLAND (Reprint); GOTHENBURG WOMEN, GOTHENBURG,  
SWEDEN; HONOLULU HEART PROGRAM, HONOLULU, HI, 00000  
COUNTRY OF AUTHOR: ENGLAND; SWEDEN; USA  
SOURCE: LANCET, (23 DEC 1995) Vol. 346, No. 8991-2, pp. 1647-1653.  
ISSN: 0099-5355.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE; CLIN  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 53  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 45 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN DUPLICATE 18

ACCESSION NUMBER: 1995:251244 BIOSIS  
DOCUMENT NUMBER: PREV199598265544  
TITLE: Development of insecticide-resistant and -susceptible  
Spodoptera exigua (Lepidoptera: Noctuidae) exposed to  
furanocoumarins found in celery.  
AUTHOR(S): Brewer, M. J. [Reprint author]; **Meade, T.**;  
Trumble, J. T.  
CORPORATE SOURCE: Dep. Plant Soil and Insect Sci., P.O. Box 3354, Univ.  
Wyoming, Laramie, WY 82071, USA  
SOURCE: Environmental Entomology, (1995) Vol. 24, No. 2, pp.  
392-401.  
CODEN: EVETBX. ISSN: 0046-225X.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 13 Jun 1995  
Last Updated on STN: 13 Jun 1995

L20 ANSWER 46 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN

ACCESSION NUMBER: 95058723 EMBASE  
DOCUMENT NUMBER: 1995058723  
TITLE: Effect of factor VII genotype on response to Warfarin  
treatment [1].  
AUTHOR: Lane A.; Green F.; Humphries S.; Ruddock V.; **Meade**  
**T.**  
CORPORATE SOURCE: Ctr. Genetics Cardiovasc. Disorders, Dept. Medicine  
Cardiovasc. Genetics, Univ. College London Medical School,  
5 University Street, London WC1E 6JJ, United Kingdom  
SOURCE: Thrombosis and Haemostasis, (1995) 73/2 (325).  
ISSN: 0340-6245 CODEN: THHADQ  
COUNTRY: Germany  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 025 Hematology  
037 Drug Literature Index  
LANGUAGE: English

L20 ANSWER 47 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN

ACCESSION NUMBER: 95:161716 SCISEARCH  
THE GENUINE ARTICLE: QH510  
TITLE: EFFECT OF FACTOR-VII GENOTYPE ON RESPONSE TO WARFARIN  
TREATMENT  
AUTHOR: LANE A; GREEN F (Reprint); HUMPHRIES S; RUDDOCK V;  
**MEADE T**  
CORPORATE SOURCE: UNIV COLL LONDON, SCH MED, RAYNE INST, DEPT MED, CTR GENET  
CARDIOVASC DISORDER, DIV CARDIOVASC DIS, LONDON WC1E 6JJ,  
ENGLAND (Reprint); UNIV COLL LONDON, SCH MED, RAYNE INST,  
DEPT MED, CTR GENET CARDIOVASC DISORDER, DIV CARDIOVASC  
DIS, LONDON WC1E 6JJ, ENGLAND; ST BARTHOLOMEWS HOSP,  
WOLFSON INST PREVENT MED, MRC, EPIDEMIOLOG & MED CARE UNIT,  
LONDON, ENGLAND  
COUNTRY OF AUTHOR: ENGLAND  
SOURCE: THROMBOSIS AND HAEMOSTASIS, (FEB 1995) Vol. 73, No. 2, pp.  
325.  
ISSN: 0340-6245.  
DOCUMENT TYPE: Letter; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 5

L20 ANSWER 48 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN

ACCESSION NUMBER: 1995:138527 BIOSIS  
 DOCUMENT NUMBER: PREV199598152827  
 TITLE: The use of time-resolved circularly polarized fluorescence to characterize excited state dynamics of camphorquinone complexed with methyl-ethyl ketone.  
 AUTHOR(S): Schauerte, J. A.; **Meade, T.**; Schlyer, B. D.; Gafni, A.; Steel, D. G.  
 CORPORATE SOURCE: Inst. Gerontol., Dep. Biol. Chem., Univ. Mich., Ann Arbor, MI 48109, USA  
 SOURCE: Biophysical Journal, (1995) Vol. 68, No. 2 PART 2, pp. A190.  
 Meeting Info.: 39th Annual Meeting of the Biophysical Society. San Francisco, California, USA. February 12-16, 1995.  
 CODEN: BIOJAU. ISSN: 0006-3495.  
 DOCUMENT TYPE: Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 Conference; (Meeting Poster)  
 LANGUAGE: English  
 ENTRY DATE: Entered STN: 3 Apr 1995  
 Last Updated on STN: 23 May 1995

L20 ANSWER 49 OF 75 MEDLINE on STN DUPLICATE 19  
 ACCESSION NUMBER: 95119697 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 7819855  
 TITLE: Use of personal medical records for research purposes.  
 COMMENT: Comment in: BMJ. 1995 Jan 28;310(6974):257-8. PubMed ID: 7866146  
 Comment in: BMJ. 1995 Jan 28;310(6974):258. PubMed ID: 7866147  
 Comment in: BMJ. 1995 Jan 28;310(6974):258. PubMed ID: 7866148  
 Comment in: BMJ. 1995 Jan 28;310(6974):258. PubMed ID: 7866149  
 AUTHOR: Wald N; Law M; **Meade T**; Miller G; Alberman E; Dickinson J  
 CORPORATE SOURCE: Wolfson Institute of Preventive Medicine, Medical College of St Bartholomew's Hospital, London.  
 SOURCE: BMJ (Clinical research ed.), (1994 Nov 26) 309 (6966) 1422-4.  
 Journal code: 8900488. ISSN: 0959-8138.  
 Report No.: KIE-45698.  
 PUB. COUNTRY: ENGLAND: United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Abridged Index Medicus Journals; Bioethics; Priority Journals  
 ENTRY MONTH: 199502  
 ENTRY DATE: Entered STN: 19950223  
 Last Updated on STN: 20030318  
 Entered Medline: 19950210

L20 ANSWER 50 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 20  
 ACCESSION NUMBER: 94:224722 SCISEARCH  
 THE GENUINE ARTICLE: ND054  
 TITLE: PHTHALIDE-BASED HOST-PLANT RESISTANCE TO SPODOPTERA-EXIGUA AND TRICHOPLUSIA NI IN APIUM-GRAVEOLENS  
 AUTHOR: **MEADE T (Reprint)**; HARE J D; MIDLAND S L; MILLAR J G; SIMS J J  
 CORPORATE SOURCE: UNIV ARKANSAS, DEPT ENTOMOL, 321 AGR BLDG, FAYETTEVILLE, AR, 72701 (Reprint); UNIV CALIF RIVERSIDE, DEPT ENTOMOL, RIVERSIDE, CA, 92521; UNIV CALIF RIVERSIDE, DEPT PLANT PATHOL, RIVERSIDE, CA, 92521



COUNTRY OF AUTHOR: USA  
SOURCE: JOURNAL OF CHEMICAL ECOLOGY, (MAR 1994) Vol. 20, No. 3,  
pp. 709-726.  
ISSN: 0098-0331.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: AGRI  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 33

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 51 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
on STN DUPLICATE 21

ACCESSION NUMBER: 94:152227 SCISEARCH  
THE GENUINE ARTICLE: MY035  
TITLE: EFFECTS OF GENETIC AND ENVIRONMENTAL HOST-PLANT VARIATION  
ON THE SUSCEPTIBILITY OF 2 NOCTUIDS TO  
BACILLUS-THURINGIENSIS

AUTHOR: MEADE T (Reprint); HARE J D  
CORPORATE SOURCE: UNIV ARKANSAS, DEPT ENTOMOL, FAYETTEVILLE, AR, 72701  
(Reprint); UNIV CALIF RIVERSIDE, DEPT ENTOMOL, RIVERSIDE,  
CA, 92521

COUNTRY OF AUTHOR: USA  
SOURCE: ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA, (FEB 1994) Vol.  
70, No. 2, pp. 165-178.  
ISSN: 0013-8703.

DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: AGRI  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 32

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 52 OF 75 MEDLINE on STN DUPLICATE 22

ACCESSION NUMBER: 94110955 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8283323  
TITLE: Knee joint contact pressure decreases after chronic  
meniscectomy relative to the acutely meniscectomized joint:  
a mechanical study in the goat.

AUTHOR: Bylski-Austrow D I; Malumed J; Meade T; Grood E S  
CORPORATE SOURCE: Department of Aerospace Engineering and Engineering  
Mechanics, University of Cincinnati, OH 45221-0048.  
SOURCE: Journal of orthopaedic research : official publication of  
the Orthopaedic Research Society, (1993 Nov) 11 (6)  
796-804.

Journal code: 8404726. ISSN: 0736-0266.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199402  
ENTRY DATE: Entered STN: 19940228  
Last Updated on STN: 19940228  
Entered Medline: 19940217

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on STN DUPLICATE 23

ACCESSION NUMBER: 93:642797 SCISEARCH  
THE GENUINE ARTICLE: MC541  
TITLE: EFFECTS OF DIFFERENTIAL HOST-PLANT CONSUMPTION BY  
SPODOPTERA-EXIGUA (LEPIDOPTERA, NOCTUIDAE) ON  
BACILLUS-THURINGIENSIS EFFICACY

AUTHOR: MEADE T (Reprint); HARE J D  
CORPORATE SOURCE: UNIV CALIF RIVERSIDE, DEPT ENTOMOL, RIVERSIDE, CA, 92521  
(Reprint)  
COUNTRY OF AUTHOR: USA

SOURCE: ENVIRONMENTAL ENTOMOLOGY, (APR 1993) Vol. 22, No. 2, pp. 432-437.  
ISSN: 0046-225X.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: AGRI  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 21  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 54 OF 75 MEDLINE on STN  
ACCESSION NUMBER: 93170250 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10128776  
TITLE: Emergency hospital admissions and readmissions of patients aged over 75 years and the effects of a community-based discharge scheme.  
AUTHOR: Townsend J; Dyer S; Cooper J; **Meade T**; Piper M; Frank A  
CORPORATE SOURCE: Medical College of St. Bartholomew's Hospital, London.  
SOURCE: Health trends, (1992) 24 (4) 136-9.  
Journal code: 0233525. ISSN: 0017-9132.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Health  
ENTRY MONTH: 199303  
ENTRY DATE: Entered STN: 20010223  
Last Updated on STN: 20010223  
Entered Medline: 19930322

L20 ANSWER 55 OF 75 MEDLINE on STN  
ACCESSION NUMBER: 91367036 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 1679884  
TITLE: Chorion villus sampling.  
COMMENT: Comment on: Lancet. 1991 Aug 17;338(8764):449-50. PubMed ID: 1678109  
AUTHOR: Grant A; Ayers S; Gosden C; **Meade T**  
SOURCE: Lancet, (1991 Sep 21) 338 (8769) 756.  
Journal code: 2985213R. ISSN: 0140-6736.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Commentary  
Letter  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199110  
ENTRY DATE: Entered STN: 19911103  
Last Updated on STN: 19970203  
Entered Medline: 19911016

L20 ANSWER 56 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 24  
ACCESSION NUMBER: 1992:117658 BIOSIS  
DOCUMENT NUMBER: PREV199293063458; BA93:63458  
TITLE: DIFFERENTIAL PERFORMANCE OF BEET ARMYWORM AND CABBAGE LOOPER LEPIDOPTERA NOCTUIDAE LARVAE ON SELECTED APIUM-GRAVEOLENS CULTIVARS.  
AUTHOR(S): **MEADE T** [Reprint author]; HARE J D  
CORPORATE SOURCE: DEP ENTOMOLOGY, UNIVERSITY CALIFORNIA, RIVERSIDE, CALIF 92521, USA  
SOURCE: Environmental Entomology, (1991) Vol. 20, No. 6, pp. 1636-1644.  
CODEN: EVETBX. ISSN: 0046-225X.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BA  
LANGUAGE: ENGLISH

ENTRY DATE: Entered STN: 1 Mar 1992  
Last Updated on STN: 1 Mar 1992

L20 ANSWER 57 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
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ACCESSION NUMBER: 91:451432 SCISEARCH  
THE GENUINE ARTICLE: FZ966  
TITLE: FVII-304 GLN - A DYSFUNCTIONAL FVII MOLECULE WITH REDUCED  
AFFINITY FOR TISSUE FACTOR  
AUTHOR: OBRIEN D P (Reprint); GALE K; ANDERSON J S; MCVEY J H;  
**MEADE T**; MILLER G; TUDDENHAM E G D  
CORPORATE SOURCE: MRC, CTR CLIN RES, HAEMOSTASIS RES GRP, HARROW HA1 3UJ,  
MIDDX, ENGLAND; MRC, CTR CLIN RES, EPIDEMIOLOG & MED CARE  
UNIT, HARROW HA1 3UJ, MIDDX, ENGLAND  
COUNTRY OF AUTHOR: ENGLAND  
SOURCE: THROMBOSIS AND HAEMOSTASIS, (1991) Vol. 65, No. 6, pp. 769  
DOCUMENT TYPE: Conference; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: No References

L20 ANSWER 58 OF 75 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
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ACCESSION NUMBER: 91284610 EMBASE  
DOCUMENT NUMBER: 1991284610  
TITLE: Chorion villus sampling [5].  
AUTHOR: Grant A.; Ayers S.; Gosden C.; **Meade T.**  
CORPORATE SOURCE: Perinatal Trials Service, Radcliffe Infirmary, Oxford OX2  
6HE, United Kingdom  
SOURCE: Lancet, (1991) 338/8769 (756).  
ISSN: 0140-6736 CODEN: LANCAO  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 010 Obstetrics and Gynecology  
022 Human Genetics  
LANGUAGE: English

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ACCESSION NUMBER: 91:529072 SCISEARCH  
THE GENUINE ARTICLE: GG104  
TITLE: CHORION VILLUS SAMPLING  
AUTHOR: GRANT A (Reprint); AYERS S; GOSDEN C; **MEADE T**  
CORPORATE SOURCE: RADCLIFFE INFIRM, PERINATAL TRIALS SERV, OXFORD OX2 6HE,  
ENGLAND (Reprint); WESTERN GEN HOSP, MRC, HUMAN GENET  
UNIT, EDINBURGH EH4 2XU, MIDLOTHIAN, SCOTLAND; NORTHWICK  
PK HOSP & CLIN RES CTR, MRC, EPIDEMIOLOG & MED CARE UNIT,  
HARROW HA1 3UJ, MIDDX, ENGLAND  
COUNTRY OF AUTHOR: ENGLAND; SCOTLAND  
SOURCE: LANCET, (1991) Vol. 338, No. 8769, pp. 756.  
DOCUMENT TYPE: Letter; Journal  
FILE SEGMENT: LIFE; CLIN  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 4

L20 ANSWER 60 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
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ACCESSION NUMBER: 91:451152 SCISEARCH  
THE GENUINE ARTICLE: FZ966  
TITLE: GENETIC-VARIATION AT THE BETA-FIBRINOGEN GENE LOCUS IS  
ASSOCIATED WITH PLASMA-FIBRINOGEN LEVELS IN SMOKERS AND  
NONSMOKERS  
AUTHOR: THOMAS A E (Reprint); GREEN F; KELLEHER C; WILKES H;

BRENNAN P; **MEADE T**; HUMPHRIES S  
 CORPORATE SOURCE: CHARING CROSS SUNLEY MED RES CTR, LONDON W6 8LW, ENGLAND;  
 NORTHWICK PK HOSP & CLIN RES CTR, HARROW HA1 3UJ, MIDDX,  
 ENGLAND  
 COUNTRY OF AUTHOR: ENGLAND  
 SOURCE: THROMBOSIS AND HAEMOSTASIS, (1991) Vol. 65, No. 6, pp. 667  
 .  
 DOCUMENT TYPE: Conference; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: ENGLISH  
 REFERENCE COUNT: No References

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 on STN

ACCESSION NUMBER: 91:451153 SCISEARCH  
 THE GENUINE ARTICLE: FZ966  
 TITLE: A COMMON POLYMORPHISM OF THE FACTOR-VII GENE DETERMINES  
 COAGULATION FACTOR-VII LEVELS IN HEALTHY-INDIVIDUALS  
 AUTHOR: GREEN F (Reprint); KELLEHER C; WILKES H; TEMPLE A;  
**MEADE T**; HUMPHRIES S  
 CORPORATE SOURCE: CHARING CROSS SUNLEY MED RES CTR, LONDON W6 8LW, ENGLAND;  
 NORTHWICK PK HOSP & CLIN RES CTR, EPIDEMIOLOG & MED CARE  
 UNIT, HARROW HA1 3UJ, MIDDX, ENGLAND  
 COUNTRY OF AUTHOR: ENGLAND  
 SOURCE: THROMBOSIS AND HAEMOSTASIS, (1991) Vol. 65, No. 6, pp. 667  
 .  
 DOCUMENT TYPE: Conference; Journal  
 FILE SEGMENT: LIFE  
 LANGUAGE: ENGLISH  
 REFERENCE COUNT: No References

L20 ANSWER 62 OF 75 MEDLINE on STN DUPLICATE 25  
 ACCESSION NUMBER: 91230070 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 1709359  
 TITLE: A common genetic polymorphism associated with lower  
 coagulation factor VII levels in healthy individuals.  
 AUTHOR: Green F; Kelleher C; Wilkes H; Temple A; **Meade T**;  
 Humphries S  
 CORPORATE SOURCE: Charing Cross Sunley Research Centre, London, England.  
 SOURCE: Arteriosclerosis and thrombosis : a journal of vascular  
 biology / American Heart Association, (1991 May-Jun) 11 (3)  
 540-6.  
 Journal code: 9101388. ISSN: 1049-8834.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199106  
 ENTRY DATE: Entered STN: 19910707  
 Last Updated on STN: 19980206  
 Entered Medline: 19910619

L20 ANSWER 63 OF 75 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.  
 on STN

ACCESSION NUMBER: 91:299089 SCISEARCH  
 THE GENUINE ARTICLE: FM030  
 TITLE: A COMMON GENETIC-POLYMORPHISM ASSOCIATED WITH LOWER  
 COAGULATION FACTOR-VII LEVELS IN HEALTHY-INDIVIDUALS  
 AUTHOR: GREEN F (Reprint); KELLEHER C; WILKES H; TEMPLE A;  
**MEADE T**; HUMPHRIES S  
 CORPORATE SOURCE: CHARING CROSS SUNLEY MED RES CTR, LURGAN AVE, LONDON W6  
 8LW, ENGLAND (Reprint); NORTHWICK PK HOSP & CLIN RES CTR,  
 MRC, EPIDEMIOLOG & MED CARE UNIT, HARROW HA1 3UJ, MIDDX,  
 ENGLAND

COUNTRY OF AUTHOR: ENGLAND  
SOURCE: ARTERIOSCLEROSIS AND THROMBOSIS, (1991) Vol. 11, No. 3,  
pp. 540-546.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: ENGLISH  
REFERENCE COUNT: 37  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L20 ANSWER 64 OF 75 MEDLINE on STN DUPLICATE 26  
ACCESSION NUMBER: 91337225 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 1678604  
TITLE: Restriction fragment length polymorphisms of the  
apolipoprotein A-I, C-III, A-IV gene locus. Relationships  
with lipids, apolipoproteins, and premature coronary artery  
disease.  
AUTHOR: Ordovas J M; Civeira F; Genest J Jr; Craig S; Robbins A H;  
**Meade T**; Pocovi M; Frossard P M; Masharani U;  
Wilson P W; +  
CORPORATE SOURCE: Lipid Metabolism Laboratory, USDA Human Nutrition Research  
Center on Aging, Tufts University, Boston, MA 02111.  
CONTRACT NUMBER: HL 35243 (NHLBI)  
HV 83-03 (NHLBI)  
SOURCE: Atherosclerosis, (1991 Mar) 87 (1) 75-86.  
Journal code: 0242543. ISSN: 0021-9150.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199109  
ENTRY DATE: Entered STN: 19911006  
Last Updated on STN: 19950206  
Entered Medline: 19910919

L20 ANSWER 65 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
ACCESSION NUMBER: 1991:60862 BIOSIS  
DOCUMENT NUMBER: PREV199140026217; BR40:26217  
TITLE: GENETIC VARIATION AT THE BETA FIBRINOGEN GENE LOCUS IS  
ASSOCIATED WITH PLASMA FIBRINOGEN LEVELS IN SMOKERS AND  
NON-SMOKERS.  
AUTHOR(S): THOMAS A [Reprint author]; GREEN F; KELLEHER C; WILKES H;  
BRENNAN P; **MEADE T**; HUMPHRIES S  
CORPORATE SOURCE: CHARING CROSS SUNLEY RES CENT, LONDON W6 8LW, UK  
SOURCE: British Journal of Haematology, (1990) Vol. 76, No. SUPPL.  
1, pp. 17.  
Meeting Info.: JOINT MEETING OF THE BRITISH SOCIETY FOR  
HAEMOSTASIS AND THROMBOSIS AND NEDERLANDSE VERENIGING VOOR  
TROMBOSE EN HEMOSTASE (NETHERLANDS SOCIETY FOR THROMBOSIS  
AND HEMOSTASIS), LONDON, ENGLAND, UK, SEPTEMBER 17-18,  
1990. BR J HAEMATOL.  
CODEN: BJHEAL. ISSN: 0007-1048.  
DOCUMENT TYPE: Conference; (Meeting)  
FILE SEGMENT: BR  
LANGUAGE: ENGLISH  
ENTRY DATE: Entered STN: 19 Jan 1991  
Last Updated on STN: 19 Jan 1991

L20 ANSWER 66 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
ACCESSION NUMBER: 1991:60824 BIOSIS  
DOCUMENT NUMBER: PREV199140026179; BR40:26179  
TITLE: PURIFICATION AND CHARACTERIZATION OF FVII BUCKIE A  
DYSFUNCTIONAL FVII MOLECULE WITH DEFECTIVE TISSUE FACTOR

INTERACTION.  
AUTHOR(S): O'BRIEN D P [Reprint author]; ANDERSON J S; MILLER G;  
**MEADE T**; TUDDENHAM E G D  
CORPORATE SOURCE: HAEMOSTASIS RES GROUP, CLIN RES CENT, WATFORD ROAD, HARROW,  
MIDDX HA1 3UJ, UK  
SOURCE: British Journal of Haematology, (1990) Vol. 76, No. SUPPL.  
1, pp. 8.  
Meeting Info.: JOINT MEETING OF THE BRITISH SOCIETY FOR  
HAEMOSTASIS AND THROMBOSIS AND NEDERLANDSE VERENIGING VOOR  
TROMBOSE EN HEMOSTASE (NETHERLANDS SOCIETY FOR THROMBOSIS  
AND HEMOSTASIS), LONDON, ENGLAND, UK, SEPTEMBER 17-18,  
1990. BR J HAEMATOL.  
CODEN: BJHEAL. ISSN: 0007-1048.  
DOCUMENT TYPE: Conference; (Meeting)  
FILE SEGMENT: BR  
LANGUAGE: ENGLISH  
ENTRY DATE: Entered STN: 19 Jan 1991  
Last Updated on STN: 20 Jan 1991

L20 ANSWER 67 OF 75 MEDLINE on STN DUPLICATE 27  
ACCESSION NUMBER: 90297802 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 1972879  
TITLE: DNA polymorphisms of the apolipoprotein B gene in patients  
with premature coronary artery disease.  
AUTHOR: Genest J J Jr; Ordovas J M; McNamara J R; Robbins A M;  
**Meade T**; Cohn S D; Salem D N; Wilson P W; Masharani  
U; Frossard P M; +  
CORPORATE SOURCE: Lipid Metabolism Laboratory, USDA Human Nutrition Research  
Center on Aging, Tufts University, Boston, MA 02111.  
CONTRACT NUMBER: HL 35243 (NHLBI)  
HV 83-03 (NHLBI)  
SOURCE: Atherosclerosis, (1990 May) 82 (1-2) 7-17.  
Journal code: 0242543. ISSN: 0021-9150.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199008  
ENTRY DATE: Entered STN: 19900907  
Last Updated on STN: 19950206  
Entered Medline: 19900802

L20 ANSWER 68 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN DUPLICATE 28  
ACCESSION NUMBER: 1989:224338 BIOSIS  
DOCUMENT NUMBER: PREV198987115955; BA87:115955  
TITLE: AGGREGATION BY FORAGING INSECT PARASITOID IN RESPONSE TO  
LOCAL VARIATION IN HOST DENSITY DETERMINING THE DIMENSIONS  
OF A HOST PATCH.  
AUTHOR(S): ROSENHEIM J A [Reprint author]; **MEADE T**; POWCH I  
G; SCHOENIG S E  
CORPORATE SOURCE: DEP ENTOMOL, 3050 MAILE WAY, ROOM 310, UNIV HAWAII,  
HONOLULU, HAWAII 96822, USA  
SOURCE: Journal of Animal Ecology, (1989) Vol. 58, No. 1, pp.  
101-118.  
CODEN: JAECAP. ISSN: 0021-8790.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BA  
LANGUAGE: ENGLISH  
ENTRY DATE: Entered STN: 7 May 1989  
Last Updated on STN: 7 May 1989

L20 ANSWER 69 OF 75 MEDLINE on STN  
ACCESSION NUMBER: 2001584692 MEDLINE

DOCUMENT NUMBER: PubMed ID: 11617494  
TITLE: "Civilizing Rio de Janeiro": the public health campaign and the riot of 1904.  
AUTHOR: **Meade T**  
SOURCE: Journal of social history, (1986) 20 (2) 301-22.  
Journal code: 100968095. ISSN: 0022-4529.  
PUB. COUNTRY: Unknown  
DOCUMENT TYPE: Historical  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: History of Medicine  
ENTRY MONTH: 198905  
ENTRY DATE: Entered STN: 20011102  
Last Updated on STN: 20021030  
Entered Medline: 19890530

L20 ANSWER 70 OF 75 MEDLINE on STN  
ACCESSION NUMBER: 86205365 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 3635123  
TITLE: Urinary symptoms and sexual difficulties.  
AUTHOR: Glover D; Thomas T; North W; **Meade T**  
SOURCE: Nursing times, (1986 Apr 9-15) 82 (15) 72-5.  
Journal code: 0423236. ISSN: 0954-7762.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Nursing Journals  
ENTRY MONTH: 198606  
ENTRY DATE: Entered STN: 19900321  
Last Updated on STN: 19900321  
Entered Medline: 19860616

L20 ANSWER 71 OF 75 MEDLINE on STN  
ACCESSION NUMBER: 85229437 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 3847317  
TITLE: Incontinence. Mix and match.  
AUTHOR: Egan M; Thomas T; **Meade T**  
SOURCE: Community outlook, (1985 Jun 12) 32-7.  
Journal code: 7900730. ISSN: 0262-8759.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Nursing Journals  
ENTRY MONTH: 198508  
ENTRY DATE: Entered STN: 19900320  
Last Updated on STN: 19970203  
Entered Medline: 19850812

L20 ANSWER 72 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
ACCESSION NUMBER: 1983:47691 BIOSIS  
DOCUMENT NUMBER: PREV198324047691; BR24:47691  
TITLE: RESEARCH ASPECTS OF REHABILITATION AFTER ACUTE BRAIN DAMAGE  
IN ADULTS.  
AUTHOR(S): AITKEN C; BADDELEY A; BOND M R; BROCKLEHURST J C; BROOKS D  
N; HEWER R L; JENNETT B; LONDON P; **MEADE T**  
SOURCE: Lancet, (1982) Vol. 2, No. 8306, pp. 1034-1036.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BR  
LANGUAGE: ENGLISH

L20 ANSWER 73 OF 75 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on  
STN  
ACCESSION NUMBER: 1982:35242 BIOSIS  
DUPLICATE 29

DOCUMENT NUMBER: PREV198222035242; BR22:35242  
 TITLE: PLASMA ADPASE PROPERTIES AND VARIATION IN DISEASE.  
 AUTHOR(S): RICHARDSON D J [Reprint author]; SMITH G P; **MEADE T**  
 ; LIEBERMAN G E; PETERS T J  
 CORPORATE SOURCE: DIV CLIN CELL BIOL, MRC CLIN RES CENTRE, HARROW, MIDDX, UK  
 SOURCE: Clinical Science (London), (1981) Vol. 61, No. 3, pp.  
 41P-42P.  
 Meeting Info.: MEETING OF THE MEDICAL RESEARCH SOCIETY,  
 BIRMINGHAM, ENGLAND, JULY 10-11, 1981. CLIN SCI.  
 CODEN: CSCIAE. ISSN: 0143-5221.  
 DOCUMENT TYPE: Conference; (Meeting)  
 FILE SEGMENT: BR  
 LANGUAGE: ENGLISH

L20 ANSWER 74 OF 75 MEDLINE on STN DUPLICATE 30  
 ACCESSION NUMBER: 81141190 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 7203804  
 TITLE: Design problems in research on rehabilitation after brain  
 damage.  
 AUTHOR: Baddeley A; **Meade T**; Newcombe F  
 SOURCE: International rehabilitation medicine, (1980) 2 (3) 138-42.  
 Journal code: 7911315. ISSN: 0379-0797.  
 PUB. COUNTRY: Switzerland  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 198105  
 ENTRY DATE: Entered STN: 19900316  
 Last Updated on STN: 19900316  
 Entered Medline: 19810526

L20 ANSWER 75 OF 75 MEDLINE on STN DUPLICATE 31  
 ACCESSION NUMBER: 81125296 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 7193338  
 TITLE: Effect of dietary ascorbic acid on the susceptibility of  
 steelhead trout (Salmo gairdneri) to nitrite toxicity.  
 AUTHOR: Blanco O; **Meade T**  
 SOURCE: Revista de biologia tropical, (1980 Jul) 28 (1) 91-107.  
 Journal code: 0404267. ISSN: 0034-7744.  
 PUB. COUNTRY: Costa Rica  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 198104  
 ENTRY DATE: Entered STN: 19900316  
 Last Updated on STN: 19900316  
 Entered Medline: 19810424

=> d his

(FILE 'HOME' ENTERED AT 14:46:54 ON 07 SEP 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,  
 LIFESCI' ENTERED AT 14:47:22 ON 07 SEP 2004

L1 397929 S ARRAY?  
 L2 974455 S ELECTRODE?  
 L3 6363 S L1(A) L2  
 L4 237512 S "TRANSITION METAL"  
 L5 9 S L3 AND L4  
 L6 8 DUP REM L5 (1 DUPLICATE REMOVED)  
 L7 102140 S ANALYTE? OR "BINDING LIGAND?"  
 L8 132 S L3 AND L7  
 L9 150937 S COVALENT



L10 255134 S COVALENT?  
L11 7 S L8 AND L10  
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)  
E MEADE T/AU  
L13 122 S E3  
L14 6363 S L2 AND L3  
L15 132 S L7 AND L14  
L16 0 S L15 AND L13  
L17 7892 S L2 AND L4  
L18 70 S L7 AND L17  
L19 0 S L13 AND L18  
L20 75 DUP REM L13 (47 DUPLICATES REMOVED)

	L #	Hits	Search Text
1	L1	1	6013459.pn.
2	L2	46984 5	array\$2
3	L3	88393 6	composition\$2
4	L4	1	l1 and l2
5	L5	1	l3 and l4
6	L6	11488	l2 same l3
7	L7	0	"transition metal\$2"
8	L8	0	l6 same l7
9	L9	27488	analyte\$2 or "binding ligand"
10	L10	326	l6 same l9
11	L11	63277	covalent
12	L12	156	l10 and l11
13	L13	31708 4	detect?

	L #	Hits	Search Text
14	L14	50	112 and 113
15	L15	58	"reorganization energy"
16	L16	0	114 and 115
17	L17	3011	MEADE
18	L18	14	110 and 117
19	L19	1	6740518.pn.
20	L20	83	"electron transfer moiety"
21	L21	1	119 and 120
22	L22	780260	manganese or technetium or rhenium or iron or osmium or cobalt or copper or silver or gold
23	L23	1	119 and 122
24	L24	1	13 and 123

	Issue Date	Pages	Document ID	Title
1	20040603	73	US 20040106211 A1	Intelligent electro-optical sensor array and method for analyte detection
2	20040527	48	US 20040101851 A1	Intelligent electro-optical nucleic acid-based sensor array and method for detecting volatile compounds in ambient air
3	20040401	15	US 20040060987 A1	Digital image analysis method for enhanced and optimized signals in fluorophore detection
4	20040318	171	US 20040053322 A1	System and method for the analysis of bodily fluids
5	20040205	20	US 20040023413 A1	Microscale immobilization of molecules using a hydrogel and methods of use thereof
6	20040205	63	US 20040023233 A1	Protection against oxidative stress and inflammation by a cytoprotective response element
7	20031106	110	US 20030207328 A1	Analyte assay using particulate labels
8	20031002	168	US 20030186228 A1	Portable sensor array system
9	20030904	51	US 20030166298 A1	Colorimetric artificial nose having an array of dyes and method for artificial olfaction
10	20030821	108	US 20030157731 A1	Analyte assay using particulate labels
11	20030821	48	US 20030157504 A1	Multiplex decoding of array sensors with microspheres
12	20030807	26	US 20030148360 A1	Replicable probe array

	Issue Date	Pages	Document ID	Title
13	20030731	47	US 20030143112 A1	Colorimetric artificial nose having an array of dyes and method for artificial olfaction
14	20030717	40	US 20030134330 A1	Chemical-library composition and method
15	20030710	35	US 20030129618 A1	Sensitive and rapid detection of pathogenic organisms and toxins using fluorescent polymeric lipids
16	20030710	31	US 20030129085 A1	Siloxy porpyhrins and metal complexes thereof
17	20030626	39	US 20030119012 A1	Novel sulfurylase-luciferase fusion proteins and thermostable sulfurylase
18	20030619	44	US 20030113747 A1	Novel sulfurylase-luciferase fusion proteins and thermostable sulfurylase
19	20030529	46	US 20030100102 A1	Apparatus and method for sequencing a nucleic acid
20	20030522	124	US 20030096302 A1	Methods for providing extended dynamic range in analyte assays
21	20030410	158	US 20030068802 A1	Use of streptococcus pneumoniae acyl carrier protein synthase crystal structure in diagnostics, antimicrobial drug design, and biosensors
22	20030410	52	US 20030068629 A1	Apparatus and method for sequencing a nucleic acid

	Issue Date	Pages	Document ID	Title
23	20030403	171	US 20030064422 A1	Method and system for collecting and transmitting chemical information
24	20030320	40	US 20030054396 A1	Enzymatic light amplification
25	20030109	36	US 20030008323 A1	Chemical-library composition and method
26	20021226	178	US 20020197622 A1	Method and apparatus for the confinement of materials in a micromachined chemical sensor array
27	20021114		US 20020168645 A1	Analysis of polynucleotide sequence
28	20021031		US 20020160363 A1	Magnetic-based placement and retention of sensor elements in a sensor array
29	20020912		US 20020127623 A1	Biosensors, reagents and diagnostic applications of directed evolution
30	20020418		US 20020045276 A1	Analyte assay using particulate labels
31	20020418		US 20020045272 A1	Method and apparatus for the delivery of samples to a chemical sensor array
32	20020307		US 20020028519 A1	ANALYTE ASSAY USING PARTICULATE LABELS
33	20040511		US 6734022 B2	Method and apparatus for desorption and ionization of analytes
34	20040330		US 6713298 B2	Method and apparatus for the delivery of samples to a chemical sensor array

	Issue Date	Pages	Document ID	Title
35	20031118		US 6649416 B1	Intelligent electro-optical sensor array and method for analyte detection
36	20031118		US 6649403 B1	Method of preparing a sensor array
37	20030701		US 6586193 B2	Analyte assay using particulate labels
38	20030304		US 6528320 B2	Method and apparatus for desorption and ionization of analytes
39	20021217		US 6495102 B1	Colorimetric artificial nose having an array of dyes and method of artificial olfaction

	Issue Date	Pages	Document ID	Title
40	20021126		US 6485987 B1	Sol-gel matrices for direct colorimetric detection of analytes
41	20021126		US 6485703 B1	Compositions and methods for analyte detection
42	20021022		US 6468759 B1	Direct colorimetric detection of biocatalysts
43	20020430		US 6379969 B1	Optical sensor for sensing multiple analytes
44	20020409	23	US 6368558 B1	Colorimetric artificial nose having an array of dyes and method for artificial olfaction
45	20011023	96	US 6306598 B1	Nucleic acid-coupled colorimetric analyte detectors



	Issue Date	Pages	Document ID	Title
46	20010410	88	US 6214560 B1	Analyte assay using particulate labels
47	20000321	41	US 6040191 A	Raman spectroscopic method for determining the ligand binding capacity of biologicals
48	20000208	36	US 6022748 A	Sol-gel matrices for direct colorimetric detection of analytes
49	19990202	41	US 5866430 A	Raman optrode processes and devices for detection of chemicals and microorganisms
50	19960430	43	US 5512490 A	Optical sensor, optical sensing apparatus, and methods for detecting an analyte of interest using spectral recognition patterns

	Issue Date	Pages	Document ID	Title
1	20040729	82	US 20040146909 A1	Signal detection techniques for the detection of analytes
2	20030724	31	US 20030138845 A1	Protein and peptide sensors using electrical detection methods
3	20020905	70	US 20020121314 A1	Target analyte detection using asymmetrical self-assembled monolayers
4	20020321	16	US 20020033345 A1	Detection of analytes using reorganization energy
5	20040713	76	US 6761816 B1	Printed circuit boards with monolayers and capture ligands
6	20040622	68	US 6753143 B2	Target analyte detection using asymmetrical self-assembled monolayers
7	20040525	83	US 6740518 B1	Signal detection techniques for the detection of analytes
8	20030729	91	US 6600026 B1	Electronic methods for the detection of analytes utilizing monolayers
9	20030401	49	US 6541617 B1	Detection of target analytes using particles and electrodes

	Issue Date	Pages	Document ID	Title
10	20010918	66	US 6290839 B1	Systems for electrophoretic transport and detection of analytes
11	20010724	75	US 6264825 B1	Binding acceleration techniques for the detection of analytes
12	20010619	25	US 6248229 B1	Detection of analytes using reorganization energy

	Issue Date	Pages	Document ID	Title
13	20000111	18	US 6013459 A	Detection of analytes using reorganization energy
14	20000111	19	US 6013170 A	Detection of analytes using reorganization energy

	L #	Hits	Search Text
1	L1	1	6740518.pn.
2	L2	870	"solvent accessible"
3	L3	1	l1 and l2
4	L4	2760	"transition metal complex"
5	L5	1	l1 and l4
6	L6	3602	l2 or l4
7	L7	1	l1 and l6
8	L8	8476	"binding ligand"
9	L9	25817	l6 ot l8
10	L10	1	l1 and l9
11	L11	1	spacer and l1
12	L12	1010	"self assembled monolayer"
13	L13	1	l1 and l12

	L #	Hits	Search Text
14	L14	0	"coordination sites"
15	L15	0	l1 and l14
16	L16	16	"redox active complex"
17	L17	1	l1 and l16